## PART III

## SECTION 1 A

## GENERAL COMPETITION REGULATIONS

## 1. PURPOSE AND APPLICABILITY OF THE REGULATIONS

1.1 With these Regulations the BWF in accordance with its Rules:
1.1.1 controls the game, from an international aspect, in all countries; and
1.1.2 makes Regulations for all international competition.
1.2 These Regulations apply to all categories of tournaments (of whatsoever nature) that are defined in Regulations 2.2 to 2.13
1.3 BWF Sanctioned Team Leagues as defined in Regulation 2.7 shall comply with the terms as defined in the BWF Sanction Policy.
1.4 The provisions of Regulations 11 to 29 are recommended, but not mandatory, for the categories of tournaments defined in Regulations 2.14 and 2.15.

## 2. DEFINITIONS

BWF recgonises the events as defined in regulation 2.1 and categories of tournaments and other international matches defined in Regulation 2.2 to 2.15
2.1 Events
2.1.1 Men's Singles - played by two opposing male players
2.1.2 Women's Singles - played by two opposing female players
2.1.3 Men's Doubles - played by two opposing pairs of male players
2.1.4 Women's Doubles - played by two opposing pairs of female players
2.1.5 Mixed Doubles - played by two opposing pairs each containing one male and one female layer
2.2 BWF Tournaments (Level 1)

| 2.2 .1 | Thomas Cup | The world men's team championships |
| :--- | :--- | :--- |
| 2.2 .2 | Uber Cup | The world women's team championships |
| 2.2 .3 | Sudirman Cup | The world mixed team championships |
| 2.2 .4 | Suhandinata Cup | The world juniors' team championships |
| 2.2 .5 | World Championships | The world individual championships |
| 2.2 .6 | Eye Level Cups | The world junior individual championships |
| 2.2 .7 | World Senior <br> Championships | The world senior individual championships |

2.3 Super Series (Level 2)

| 2.3 .1 | Superseries Finals | The Superseries Finals tournament having prize money <br> of US $\$ 500,000$ or more. |
| :--- | :--- | :--- |
| 2.3 .2 | Superseries Premier | The Superseries of tournaments having prize money of <br> US $\$ 500,000$ in 2015, US $\$ 550,000$ in 2016, and <br> US $\$ 600,000$ in 2017. |
| 2.3 .3 | Superseries | The Superseries of tournaments having prize money of <br> US\$ 275,000 in 2015, US $\$ 300,000$ in 2016, and US\$ <br> 325,000 in 2017. |

2.4 Grand Prix (Level 3)

| 2.4.1 | Grand Prix Gold | The Grand Prix series of tournaments having prize money of US\$ 120,000 or more. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2.4.2 | Grand Prix | The Grand Prix series of tournaments having prize money of US\$ 50,000 or more in 2015. | The Grand Prix series of tournaments having prize money of US\$ 55,000 or more in 2016. | The Grand Prix series of tournaments having prize money of US\$ 65,000 or more in 2017. | The Grand Prix series of tournaments having prize money of US\$ 75,000 or more in 2018. |

2.5 Continental Tournaments (Level 4)
(Tournaments under control and management of the Continental Confederation to which the host country belongs.)

| 2.5.1 | International Challenge | The continental series of tournaments having prize money of US\$ 15,000 or more in 2015. | The continental series of tournaments having prize money of US\$ 17,500 or more in 2016. | The continental series of tournaments having prize money of US\$ 20,000 or more in 2017. | The continental series of tournaments having prize money of US\$ 25,000 or more in 2018. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2.5.2 | International Series | The continental series of tournaments having prize money of US\$ 5,000 or more in 2015. | The continental series of tournaments having prize money of US\$ 6,000 or more in 2016. | The continental series of tournaments having prize money of US\$ 8,000 or more in 2017. | The continental series of tournaments having prize money of US\$ 10,000 or more in 2018. |
| 2.5.3 | Future Series | The continental series of tournaments having prize money up to US\$ 5,000 in 2015. | The continental series of tournaments having prize up to US\$ 6,000 in 2016. | The continental series of tournaments having prize money up to US\$ 8,000 in 2017. | The continental series of tournaments having prize money up to US\$ 10,000 in 2018. |

2.6 Junior Tournaments
(Tournaments under control and management of the Continental Confederation to which the host country belongs.)

| 2.6 | Junior International Grand Prix |
| :--- | :--- |
| 2.6 | Junior International Challenge |
| 2.6 | Junior International Series |
| 2.6 | Junior Future Series |

2.7 "International Team Leagues" and "National Team Leagues with International Participation" - collectively named "BWF Sanctioned Leagues"
2.7.1 "International Team Leagues" are any international team competition organized as an International Team League by BWF, Continental Confederation or Members between teams from different countries (such as, but not limited to, club teams from different National Team Leagues or teams created with different national connections), which include participation in the International Team League of more than three "Top Ranked"
players from other Members; and

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\begin{aligned}
& \text { 2.7.2 "National Team Leagues with International Participation" are any national team } \\
& \text { competition organized as a National Team League between domestic teams only by a } \\
& \text { Member, which include participation in the National Team League with International } \\
& \text { Participation of more than three "Top Ranked" players from other Members. } \\
& \text { 2.7.3 "Top Ranked" shall be defined as "contained in the first } 50 \text { places in any of the five } \\
& \text { BWF ranking lists valid three months before the tournament". }
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### 2.8 Other Championships of an international character

Any tournament bearing the title of an area greater than that of a single country, e.g.
Asian Badminton Confederation Championships
European Championships
World University Games

### 2.9 Multi-Sport Games

Official international sporting games containing several different sports including Badminton, eg:
Olympic Games
Asian Games
Commonwealth Games
Pan American Games

### 2.10 Major Tournaments

Any tournament under the jurisdiction of a Member Association accepting entries from a total in the whole tournament of more than three top-ranked players from other Member Associations.

### 2.9.1 "Top-ranked" shall be defined as "contained in the first 25 places in any of the five BWF ranking lists valid three months before the tournament".

### 2.11 Invitation Tournaments

Any tournament or other competitive matches (with or without prize money) limited to players invited according to Regulation 10, which involves a total in the whole tournament of more than three top-ranked players from other Member Associations.
2.12 International Seniors’ Tournaments

Any tournament (other than defined in Regulation 2.7) intending by its title or promotion to attract an international entry and limiting entries to players over certain age limits.

### 2.13 Exhibition Matches

Any programme involving exhibition or demonstration of the game, with or without competition for title or prize money, which involves more than three top-ranked players invited from other Member Associations or in which any player receives a fee of US $\$ 1,000$ or more. Special dispensation may be given at the discretion of BWF.
2.14 International Matches

Any competitive matches between Member Associations.

### 2.15 National Championships

Any tournament of whatever nature (with or without prize money) in which entries are restricted to players being citizens of, or resident in, the country concerned according to regulations adopted by the Member Association in question.

Any tournament not falling into one of the categories defined in Regulations 2.2 to 2.15. Member Association domestic tournament leagues do not require BWF sanction.

## 3. SANCTION

3.1 For all tournaments and competitive matches defined above in Regulations 2.2 to 2.12, the Member Association must apply for and receive the sanction of the BWF. The BWF shall grant sanction to the tournament in line with the BWF Sanction Policy [Part III - Section 1 A, Appendix 10].

### 3.2 Sanction fees

3.2.1 All Level 1-3 BWF sanctioned tournaments or international tournaments offering prize money US $\$ 50,000$ or more shall pay a sanction fee to BWF at the rate of 10 per cent of the total prize fund up to and including the first US\$ 500,000 and a lower rate of 5 per cent for prize money in excess of US\$ 500,000.

A table illustrating the above will be included for clarity.

| Level of <br> tournament | Total Prize fund |  | sanction fees \% of the total prize fund |
| :--- | :---: | :---: | :--- |
|  | More than <br> (US\$) | Up to <br> (US\$) |  |
| $1,2,3$ | 50,000 | 500,000 | $10 \%$ |
| $1,2,3$ | 500,000 |  | US $\$ 50,000+5 \%$ of the prize fund in excess <br> of US\$ 500,000 |

3.2.2 All level 4 BWF Sanctioned Tournaments or international tournaments offering prize money less than US\$ 50,000 shall pay a sanction fee to the Continental Confederation.
3.2.3 It is recommended that the sanction fee be at the rate of $10 \%$ of the prize fund. Such fee shall be a charge on the tournament and not on the prize fund and shall be paid so that an amount equal to 10 per cent or the percentage as stipulated in regulation 3.2.1 of the total prize fund is received by the BWF or Continental Confederation, as the case maybe, within three weeks of the end of the tournament.
3.2.4 The BWF may approach Member Associations and make any additional financial arrangements as it may from time to time decide.

### 3.3 Confirmation of prize money, withdrawal of sanction, and penalty fees

3.3.1 For all level 1 to 4 BWF-sanctioned Tournaments or international tournaments offering prize money US $\$ 15,000$ or more, the BWF shall, at the time of sanction of the tournament, seek confirmation of the total prize money.
3.3.2 Fewer than 90 days before the date of the tournament, any level 1 to 4 BWF-sanctioned Tournaments or international tournament offering prize money US $\$ 15,000$ or more, there shall be no change in the level of the tournament. The organisers shall have liberty to increase the approved prize money at any time. However, there shall not be any change in the level of tournament sanctioned earlier.

### 3.4 Fees for postponement, cancellation or changed prize money

3.4.1 If, fewer than 60 days before the date of the tournament, any level 1 to 3 BWFsanctioned Tournament or international tournament offering prize money US\$ 50,000 or more is cancelled, postponed or the prize money as in Regulation 3.3 is reduced, the organiser shall pay the BWF a fee equivalent to $20 \%$ of the total prize money.
3.4.2 If, fewer than 90 days before the date of the tournament, any level 4 BWF-sanctioned Tournament or international tournament offering prize money less than US\$ 50,000 is cancelled, postponed or the prize money as in Regulation 3.3 is reduced, the organiser
shall pay the Continental Confederation recommending sanction a fee equivalent to $20 \%$ of the total prize money
3.4.3 Fewer than 15 days before the date of the tournament, any level 1 to 4 BWF-sanctioned Tournament or international tournament offering prize money US\$ 15,000 or more, if there is any change in the approved prize money, the matter will be referred to Disciplinary Committee of BWF. The BWF shall, in addition to the fees as stated in Regulation 3.4.1 or 3.4.2, impose sanctions which may include monetary penalty and / or future sanction of tournaments to that Member Association.
3.4.4 Where, however, the BWF is satisfied that the tournament cancellation or postponement was outside the control of the organisers due to force majeure (e.g. civil disturbance, natural disaster), these fees may be waived.
3.5 The BWF can have no jurisdiction in connection with any playing tournament promoted directly or indirectly by unaffiliated organisations.

### 3.6 Unsanctioned tournaments

3.6.1 Member Associations shall allow players under their jurisdiction to compete only in tournaments sanctioned by the BWF or one of its members. (Also Refer to Regulation 10.2.2).
3.6.2 The BWF has power to vary the requirement of Regulation 3.6.1, provided an application giving reasons is made at least two months in advance.
3.6.3 Notwithstanding Regulation 3.6.1, players under the jurisdiction of a Member Association may promote the game by giving a demonstration under the auspices of an organisation not under the jurisdiction of another Member Association. This demonstration may be amongst themselves or with local players, provided the title and form of competition, and the prizes and / or expenses have been approved by the BWF.

## 4. RIGHTS

4.1 For any tournament sanctioned under General Competition Regulation 3, the term "BWFsanctioned tournament rights" shall mean all commercial, television, internet, webcasting, audio, film and other rights of like nature at all venues, and other rights associated primarily with the tournament. Any rights from the tournaments regarding betting or games of chance, including but not limited to media rights licensed to betting companies will belong to BWF. Such rights can be sublicensed by BWF to Continental Confederations for level 4 tournaments.
4.2 It is a condition of sanction that ownership of BWF-sanctioned tournament rights shall be determined in accordance with the BWF statutes.
4.3 BWF-sanctioned tournament rights shall automatically belong to the BWF, unless licences or concessions in respect of such rights are granted by the BWF to the promoting Member Association, either by virtue of the BWF statutes or in writing.
4.4 The BWF always retains the right to publish results and reports from the BWF-sanctioned tournaments, on the Internet and elsewhere, and to do so at times determined solely by the BWF. All results data from any BWF-sanctioned tournament will be owned by BWF and can be used freely by BWF for any purpose. The promoting Member Association can use data on a nonexclusive basis from its own tournament only.
4.4.1 BWF is also entitled to use tournament images, logos and other identifications for the purpose of producing and promoting Badminton Gaming (defined as player trading cards, games for computer and playing consoles, social media gaming and similar gaming concepts). BWF is only permitted to use tournaments collectively, (collectively being defined as a minimum of five tournaments) for Badminton Gaming purposes for each of the gaming concepts.
4.5 All players and technical officials involved in BWF-sanctioned tournaments shall give their consent to BWF to process their personal data, including to receive, collect, hold and record their personal data for the purposes of monitoring and investigating illegal or irregular betting activities committed or to be committed by any such player or technical official in the BWF-sanctioned tournaments. In this connection, Member Associations shall assist BWF by taking all steps necessary to procure such consents from all their players and technical officials prior to commencement of the BWF-sanctioned tournaments.
4.6 BWF shall have the right to process the personal data, including to share and disclose the personal data of any player or technical official involved in irregular or illegal betting in BWF-sanctioned tournaments, to any relevant authority or the European Sports Security Association.
4.6.1 When a player is entered in a BWF-sanctioned tournament, the creation of television or audio signals, and the taking of photographs is permitted at all associated venues (including training / practice) without further need to seek the consent of the player or Member Association concerned. Any such television or audio signals can be distributed by the rights owner in any and all territories, and may be used on live or recorded television, Internet, webcasting, radio, film and other media of similar nature. The BWF, the promoting Member Association, and any photographer concerned shall have the right to use photographs or any other image of player(s) taken during the tournament.
BWF is also entitled to use player images, logos and other identifications for the purpose of producing and promoting Badminton Gaming (player trading cards, games for computer and playing consoles, social media gaming and similar gaming concepts). BWF is only permitted to use tournaments collectively, (collectively being defined as a minimum of 5 players) for Badminton Gaming purposes for each of the gaming concepts.
4.6.2 If for legal reasons use of a player's image or other rights requires the consent of the player concerned, the Member Association must ensure that such consent is obtained before entering the player. .By entering the player in a tournament, the Member Association accepts responsibility that the player commits to the obligations in the BWF Statutes.The user of photographs or other such images of player(s) assumes sole legal liability for such use.
4.7 BWF staff and BWF council members have a right to be accredited and attend any BWF Sanctioned tournament
4.8 The Ownership of BWF-sanctioned tournament rights shall be shared as in the table below. In formulating contracts, Member Associations are advised that this concession of rights is subject to change with reasonable notice.

| Tournament <br> defined <br> in GCR | Level of <br> tournament | Ownership of BWF-sanctioned tournament rights owned by <br> and the extent of ownership |
| :--- | :--- | :--- |
| 2.2 | Level 1 | Determined by the BWF regulations / contracts associated <br> with each tournament. |
| 2.3 | Level 2 | Retained by BWF as per the BWF Superseries Guidelines <br> issued under the BWF regulations |
| 2.4 | Grand Prix <br> Gold | Retained by BWF as per Grand Prix Gold host contract with <br> BWF |
|  | All rights granted to the Promoting Member Association, <br> except for purposes listed in clause 4.1, 4.4 and 4.5.1. |  |
| 2.5 | Level 4 | All rights granted to the Continental Confederation who will <br> share it with Promoting Member Association in accordance <br> with the regulations for the Continental Circuit as approved <br> by the BWF, except for purposes listed in clause 4.1, 4.4 and <br> 4.5.1. |
| 2.6 | Junior <br> Tournaments | All rights granted to the Promoting Member Association, <br> except for purposes listed in clause 4.1, 4.4 and 4.5.1. |
| 2.7 | Continental <br> Championships | All rights granted to the Continental Confederation, except <br> for purposes listed in clause 4.1, 4.4 and 4.5.1. |


| 2.8 | Multi-sport <br> Games | All rights granted to the Promoting Member Association. |
| :--- | :--- | :--- |
| 2.9 to 2.16 | Other <br> international <br> tournaments | All rights granted to the Promoting Member Association, <br> except for purposes listed in clause 4.1, 4.4 and 4.5.1. |

## 5. ON LINE ENTRIES AND CONTROL OF ENTRIES

5.1 Procedure for sending entries:
5.1.1 For all tournaments requiring the BWF sanction, an entry of player / pair must be made by the Member Association of which the player / pair is a member by midnight local time of the BWF Headquarters on the closing date in the manner specified by the BWF. The MA submitting the entries shall specify their National ranking order.
5.1.2 Where the entries are sent using the BWF Online Entry System, after the closing date, the BWF Online Entry System will send an Entry Confirmation to all participating Member Associations confirming the receipt of final entries. This confirmation is the conclusive evidence of receipt of entries before the deadline. The Member Associations shall contact BWF immediately if such confirmation is not received by Wednesday by noon BWF Headquarters time (+08.00 GMT) following close of entries. Any objection to the entries should be notified to BWF. Following the close of entries if no objection is received by BWF by Thursday 23.59 hours BWF Headquarters time (+08.00 GMT) the entries shall be deemed to be correct. No complaints / objections shall be entertained thereafter.
5.1.3 Where the entries are not sent using the BWF Online Entry System, it is the responsibility of the organiser to acknowledge receipt of the entries of player / pair and any subsequent amendment prior to the closing date for entries. It is the responsibility of the Member Association to ensure that confirmation of acceptance is received.
5.2 No Member Association shall, for any tournament directly or indirectly promoted by it, accept entries from any other Member Association on behalf of any players who:

### 5.2.1 are not under the jurisdiction of a Member Association of the BWF; or

5.2.2 have been declared not in good standing with that Member Association.
5.3 Any member of the BWF wishing to organise any tournament or other competitive matches, which is intended to include players other than those qualified as in Regulation 5.2, shall apply for the special permission of the BWF.
5.4 Players must be permitted to enter all BWF sanctioned tournaments for which they are qualified and no restriction in this respect shall be permitted provided the players comply with the qualification standards and procedures set by the BWF, Member Associations and / or Continental Confederations. When a Member Association makes entries on behalf of its players, it shall list such entries in order of playing strength.
5.5 No player / pair shall enter or be entered in two BWF-sanctioned competitions in the same week except as provided in 5.6 below, or when competing in BWF Superseries Finals, a continental individual championship and continental mixed team championship or continental men's or women's team championship in the same week. This includes world ranking and world junior ranking events. A player is deemed to have entered, for the purpose of this regulation, if the entry has been made and not been withdrawn by the Member Association, by midnight local time of the BWF Headquarters on the closing date. Any subsequent withdrawal by a player / pair accepted in the main or qualifying draw of the tournament will not allow him to enter in any other tournament with overlapping dates. If discovered pre-tournament, the player / pair will not be permitted to play in either or any tournament in that week. The penalty will be loss of any world ranking points earned by the player / pair in those competitions.
5.6 A player / pair may withdraw from a tournament with an earlier closing date if they have not been accepted into the main or qualifying lists and enter another tournament with a later closing date.
5.7 In making or authorising entries, the Member Association concerned is reconfirming its acceptance, and acceptance by the players being entered, of the BWF's Rules, Competition Regulations and Disciplinary processes.
5.8 For BWF sanctioned tournaments, a player shall not have his / her entry refused for reasons of race, religion or politics.
5.8.1 Organisers may limit the number of entries from a country, where the BWF, Continental Confederations and / or Member Associations are allowed to set qualification standards and procedures for entry of players (Regulation 5.4); and may limit the number of total entries accepted into a tournament to accommodate the size of the tournament (Regulations 13.1 and 13.8).
5.8.2 Refusal of entries by a tournament organiser for any reason other than that there are too many entries to be accommodated (Regulations 13.1 and 13.8) requires the specific written permission of the BWF.
5.9 No alterations, except withdrawal, can be made to the entries after the close of entries until the draw has been made. Regulations 15.2 to 15.8 shall apply to the substitutions after the draw, for tournaments other than Level 1 to 4 BWF sanctioned tournaments and tournaments with nationally restricted entries e.g. Continental Championships, Eye Level Cups.
5.10 In level 3, 4, and junior tournaments, if the host Association does not have an entry in the main draw in an event they may elect to include a wildcard entry in that event. Wildcards will not win World Ranking points or World Junior Ranking points unless they win a match. A walkover does not count as winning a match.

The wildcard, if eligible, will be the highest ranked player/pair entered from the host Association, in each event, if applicable.

The host Association must confirm with BWF before publication of the first MQ report, which eligible players/pairs entered (if any) will be chosen as wildcards.

If the host Association declines to choose the highest ranked eligible player/pair entered by the host Association, no other wildcards will be granted in that event.

Once designated as a wildcard, the player/pair remains a wildcard throughout the tournament.

## 6. TOURNAMENT AGE LIMITS

6.1 It is recommended that for junior tournaments, all players should remain under 19 years of age throughout the calendar year in which the tournament is held.
6.2 It is recommended that senior age groups should commence at 35 years of age. Further groups should be considered at five-year intervals. Groups would therefore be 35 and over, 40 and over, 45 and over, etc. In any seniors' competitions, players are eligible provided they are $35,40,45$, etc., years of age or more throughout the calendar year in which the competition is held.

## 7. MEMBER ASSOCIATIONS' RESPONSIBILITIES FOR TOURNAMENTS AND PLAYERS

7.1 Each Member Association shall be responsible for the conduct of all tournaments held under its jurisdiction and in particular for ensuring compliance by the organisers with all the relevant Competition Regulations in BWF-sanctioned tournaments.
7.2 Each Member Association shall be responsible for the control and management of all players under its jurisdiction.
7.2.1 To be eligible to enter and compete in tournaments, all players must be in good standing with their Member Association. A Member Association may declare a player under its jurisdiction to be ineligible to compete, but the reasons for such declaration and the period of ineligibility must be reported to the BWF.
7.2.2 Member Associations shall have full responsibility for any support (financial or otherwise) received by players under their jurisdiction for the purposes of preparation and competition.
7.2.3 Member Associations shall accept and deal with all prizes paid in cash under Regulations 27.1 and 27.2.
7.2.4 Member Associations shall also supervise or administer any sponsorship, contractual or other arrangements entered into, or involving, players under their jurisdiction.
7.2.5 Member Associations shall ensure that players adhere to the Players' Code of Conduct [Part III - Section 1 A, Appendix 4].
7.3 A Member Association shall be responsible for the management and control of all coaches and team officials under its jurisdiction at any tournament.
7.3.1 For all level 1 to 3 tournaments, every Member Association shall appoint a Team Manager before the tournament.
7.3.2 In default of such appointment, the players present at the tournament shall choose their own Manager.
7.3.3 The Referee of the Tournament shall be notified of the name of the Team Manager as soon as he is appointed.
7.3.4 From the time of arrival at the venue, the Manager shall assume all administrative and other responsibilities on behalf of the relevant Member Association and all the players and team officials in connection with the conduct of the tournament.
7.3.5 The Team Manager must attend any briefing meeting called by the Referee and / or by the Committee of Management. Where there is a failure to comply, regulation 31 shall be applied.
7.3.6 Member Associations shall ensure that their coaches and team officials adhere to the Code of Conduct for coaches and team officials [Part III - Section 1 A, Appendix 9].

## 8. INTERNATIONAL REPRESENTATION*

8.1 Representing a Member Association is defined as accepting a nomination to be a member of that Association's team in any Badminton tournament where the competition is between teams. However, playing as an individual in a tournament does not count as representation, unless the tournament has been specifically nominated by the BWF (Regulation 8.1.2).
8.1.1 Competition between teams includes, but is not limited to, the Thomas, Uber and Sudirman Cups, Continental team championships, the Asian Games team championships, the Commonwealth Games team championships, and other international matches or competitions involving two or more Member Associations' teams.
8.1.2 Currently, the BWF has also specified that the World Championships (see World Championships Regulation 9.2), the World Senior Championships and the individual events at the Olympic Games, Youth Olympic Games, the Asian Games, the Commonwealth Games, Continental Championships, Eye Level Cups, Continental Junior Championships and Continental Senior Championships shall count as international representation. Where players in a doubles pair are from different Member Associations it shall count as international representation for each player.
8.2 A player shall be qualified to represent a Member Association providing the player is in good standing with that Member Association and satisfies Regulations 8.2.1 and either 8.2.2 or 8.2.3:
8.2.1 holds a passport of a country whose territory the Member Association has jurisdiction over;
8.2.2 has not represented any other Member Association for three years immediately preceding the date of the tournament;

### 8.2.3 last represented that Member Association;

8.3 A player shall be deemed to have represented a Member Association if he or she shall have been officially nominated to represent that Member Association and shall have accepted such nomination.
8.4 If a player has represented a Member Association and such Member Association is subsequently divided into two or more Member Associations or is absorbed by another Member Association, either politically or by recognition of the BWF, such player shall, for the purposes of these Regulations, be deemed from the date of such alteration not to have represented any Member Association.
8.5 Notwithstanding the foregoing Regulations, in the case of any officially-recognised competitive multi-sport games in which Badminton is included, the qualifications for the representation of a Member Association shall be in full accordance with the conditions laid down by such a multisport international games. However BWF eligibility regulations take precedence and should not be contravened (Regulations 8.2 to 8.4 ) with the exception of the Olympic Games, where the Olympic Charter takes precedence.

## 9. JURISDICTION

9.1 A player comes under the jurisdiction of all Member Associations to which the player is directly or indirectly affiliated.
9.2 Duration
9.2.1 A player comes under continued jurisdiction of a Member Association for a period of three months after ceasing to reside in the country of that Member Association, unless the player explicitly renounces this jurisdiction.
9.2.2 After the three-month period, jurisdiction shall lapse unless the player implicitly (e.g. by participation in the Member Association's activities) continues to accept that jurisdiction, or explicitly declares a wish to accept that jurisdiction.
9.2.3 A player who represents a Member Association (see Regulation 8.3) automatically comes under the jurisdiction of that Member Association for three months thereafter (as in Regulation 9.2.1).
9.3 Where a sanction is imposed that affects a player's participation beyond the jurisdiction of the Member Association concerned, then such sanction shall be notified immediately to the BWF, who shall notify all Member Associations of such sanction.
9.4 Where sanctions affect a player who comes under the jurisdiction of more than one Member Association, the BWF shall have power to receive representations and to amend such sanctions, if felt necessary.

## 10. INVITATIONS

10.1 For the purpose of this Regulation on invitations, a player's Member Association shall be that under whose jurisdiction he or she shall have been an active playing member for the three months immediately preceding the date of the invitation. This will normally be in the country in which he or she is resident. This definition is quite irrespective of the player's qualifications for representing a Member Association (Regulation 8).
10.2 Any tournament or exhibition matches in which it is desired to invite the participation of players from another Member Association shall be subject to the following regulations.
10.2.1 Any invitation to players of another Member Association shall be sent by the promoting Member Association (or by another subsidiary body with the approval of the Member Association concerned) in the first instance to the Member Association of the player to be invited. A copy of such invitation shall also be sent to any different Member Association for which the player has a qualification for international play.
10.2.2 No player shall participate in a tournament or exhibition matches which are promoted or organised by an individual or company (or other organisation) unless it has been sanctioned by the Member Association concerned or the BWF. Any infringement of this regulation shall make each player involved liable for a penalty as stipulated in Table of Offences and Penalties (Part III Section 1 A - Appendix 11).
10.3 Member Associations must issue an invitation to Member Associations which includes as a minimum the following information:
10.3.1 Name of tournament organiser, telephone, fax number and e-mail address;
10.3.2 Venue: full name and address of the tournament venue;
10.3.3 Key Dates - dates of the tournament, closing date for entries, M\&Q release date, draw date, date for withdrawal without penalty, ranking dates to be used for $\mathrm{M} \& \mathrm{Q}$, seeding (main and qualifying draws) \& draws and date for team managers meeting;
10.3.4 Link for online entry;
10.3.5 Entry fees and the process for payment of the entry fees;
10.3.6 Draw sizes;
10.3.7 Prize money and its distribution break down;
10.3.8 Provisional schedule;
10.3.9 Availability of Practice facilities - duration and available timing;
10.3.10 Clothing and advertising regulations;
10.3.11 Hotel booking and payment procedure; and
10.3.12 Visa support letter request process and any special information.

## 11. PAYMENTS TO PLAYERS

11.1 Under no circumstances may a player be offered or paid money or goods to play matches other than exhibition matches (as defined in Regulation 2.12). Reasonable travel and subsistence expenses that are actually incurred are, however, allowable.
11.2 No promoter shall offer, and no player accept, a fee and / or goods totalling more than US $\$ 3,000$ in value for playing in exhibition matches.

## 12. THE DRAW

12.1 The draw for all knock-out tournaments shall be made in the manner set out below and no dummy entry is permitted.
12.1.1 In all level 1 to 3 BWF-sanctioned tournaments and Multi-sport games requiring sanction by the BWF, the seeding of the draw shall be done by the BWF. To accomplish this, all entries shall be forwarded by the organising committee to the BWF.
12.1.2 In all level 4 BWF-sanctioned tournaments and continental multi-sport games requiring sanction by the BWF, the seeding of the draw shall be done by the Continental Confederation recommending sanction. To accomplish this, all entries shall be forwarded by the organising committee to the Continental Confederation recommending sanction.
12.2 The draw shall be done by the organisation doing the seeding (Regulation 12.2.1, 12.1.2), as per the timelines specified in Appendix 8. (Refer Part III - Section 1A, Appendix 8). The tournaments not covered by Appendix 8 shall use the timeline applicable to Superseries. The draw must be published as soon as possible after it is done, but in all cases not less than 24 hours
before the first scheduled match. The qualifying rounds, if any, count as part of the tournament for these purposes.
12.3 The draw shall be conducted as follows.
12.3.1 When the number of playing units is $4,8,16,32,64,128$ or any higher power of 2 , they shall meet in pairs in the order drawn, as in Diagram 1 for eight playing units.
12.3.2 When the number of playing units is not a power of 2 , there shall be byes in the first round. The number of byes shall be equal to the difference between the next higher power of 2 and the number of playing units, (e. g. with 17 playing units, there are 32-17 $=15$ byes).
12.3.3 The byes shall be placed as in Tables 1 to 5 and Diagram 2.

## DIAGRAM 1


12.4 The seeding of the draw at all BWF-sanctioned tournaments shall be done using the World Ranking as published on the reference date. (Refer Part III - Section 1A, Appendix 8) even if the results are missing. In each event, the entry which is ranked highest shall be seeded number 1 , and the next highest number 2, and so on until all seeds required by Regulation 12.6 are decided.
12.5 Before implementing Regulation 12.5 in doubles events in which the BWF does the seeding, the World Ranking of each pair shall be modified for seeding purposes when Regulation 12.5.1 or 12.5.2 applies. (For explanation please refer to Part III - Section 1A, Appendix 7.)
12.5.1 If two players do not have a World Ranking as a pair but the players have a World Ranking with other partners, a notional ranking is calculated for the pair. An average (the "notional" average) is taken of the best average points scored by each of the two players with other partners. This notional average is converted into the total notional points for the pair by multiplying by 10 and taking $80 \%$. The notional points are used to determine a notional ranking.
12.5.2 If the two players have a World Ranking as a pair but have competed in fewer than eight tournaments in the 52 week period, an adjusted ranking is produced by taking the pair's World Ranking points and adjusting as follows:

| Number of <br> tournaments played in | Adjust by <br> multiplying by: |
| :---: | :---: |
| 2 | $10 / 5$ |
| 3 | $10 / 5$ |
| 4 | $10 / 5$ |
| 5 | $10 / 5$ |


| 6 | ${ }^{10} / 6$ |
| :--- | :--- |
| 7 | ${ }^{10} / 7$ |

12.5.3 The resulting notional ranking as in 12.5 . or adjusted ranking as in 12.5 .2 is used to determine the seeding position.
12.5.4 A pair may have a seeding from one to four on the basis of any World Ranking but a seeding no higher than five based on any notional ranking and / or adjusted ranking. This only applies in the main draw. However, if the number of players / pairs having world ranking is less than the permissible number of seeding places, the remaining seeding places can be based on the notional or adjusted world ranking
12.6 To seek even strength throughout the draw and to avoid players from one Member Association meeting in the early rounds, the draw may be seeded or arranged subject to the following restrictions:
12.6.1 A maximum of 16 seeds if there are 64 or more entries;

A maximum of eight seeds if there are 32 to 63 entries;
A maximum of four seeds if there are 16 to 31 entries; or Two seeds if there are less than 16 entries.

Table 1 (for 3 to 16 entries) On a draw sheet numbered 1 to 16 .

| Entries | No of <br> seeds | Seed <br> 1 | Seed <br> 2 | Seeds <br> $3 / 4$ | No of <br> byes | Placement of byes |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 3 | 2 | 1 | 4 |  | 1 | 2 |  |
| 4 | 2 | 1 | 4 |  | 0 |  |  |
| 5 | 2 | 1 | 8 |  | 3 | $2,4,7$ |  |
| 6 | 2 | 1 | 8 |  | 2 | 2,7 |  |
| 7 | 2 | 1 | 8 |  | 1 | 2 |  |
| 8 | 2 | 1 | 8 |  | 0 |  | $11,13,15$ |
| 9 | 2 | 1 | 16 | - | 7 | $2,4,6,8$, | $11,13,15$ |
| 10 | 2 | 1 | 16 | - | 6 | $2,4,6$, | 11, |
| 11 | 2 | 1 | 16 | - | 5 | $2,4,6$, | 11, |
| 12 | 2 | 1 | 16 | - | 4 | $2, \quad 6$, | 15 |
| 13 | 2 | 1 | 16 | - | 3 | $2, \quad 6$, | 15 |
| 14 | 2 | 1 | 16 | - | 2 | 2, | 15 |
| 15 | 2 | 1 | 16 | - | 1 | 2 |  |
| 16 | 4 | 1 | 16 | 5,12 | 0 | - |  |

12.6.2 The seeded entries shall be selected as the best in the event at that time.
12.6.3 Seeded entries shall be placed as detailed in the example draw in Diagram 2. Seeded entries in the top half of the draw are placed at the top half of their sections (eg eighths or sixteenths), and in the bottom half of the draw at the bottom of their sections.
12.7 The top two seeded entries shall be dealt with as follows:
12.7.1 number 1 placed at the top of the draw; and
12.7.2 number 2 placed at the bottom of the draw.
12.7.3 Seeded entries shall be placed as detailed in the example draw in Diagram 2. Seeded entries in the top of the draw are placed at the top half of their sections (eg eighths or sixteenths), and in the bottom half of the draw at the bottom of their sections.

Placing of byes and seeds in a draw
Table 2 (for 17 to 32 entries) On a draw sheet numbered 1 to 32 .

| Entries | No of | Seed | Seed | Seeds | Seeds | No of | Placement of byes |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | seeds | 1 | 2 | $3 / 4$ | $5 / 8$ | byes |  |


| 17 | 4 | 1 | 32 | 9,24 | - | 15 | 2, 4, 6, 8, 10, 12, 14, 16, | 19, 21, 23, 25, 27, 29, 31 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 | 4 | 1 | 32 | 9,24 | - | 14 | 2, 4, 6, 8, 10, 12, 14, | 19, 21, 23, 25, 27, 29, 31 |  |
| 19 | 4 | 1 | 32 | 9,24 | - | 13 | 2, 4, 6, 8, 10, 12, 14, | 19, 21, 23, 27, 29, 31 |  |
| 20 | 4 | 1 | 32 | 9,24 | - | 12 | $2,4,6,10,12,14$, | 19, 21, 23, 27, 29, 31 |  |
| 21 | 4 | 1 | 32 | 9,24 | - | 11 | 2, 4, 6, 10, 12, 14, | 19, 23, 27, 29, 31 |  |
| 22 | 4 | 1 | 32 | 9,24 | - | 10 | $2,4,6,10,14$, | 19, 23, 27, 29, 31 |  |
| 23 | 4 | 1 | 32 | 9,24 | - | 9 | $2,4,6, \quad 10,14$, | 19, 23 | 27, 31 |
| 24 | 4 | 1 | 32 | 9,24 | - | 8 | $2, \quad 6,10,14$, | 19, 23 | 27, 31 |
| 25 | 4 | 1 | 32 | 9,24 | - | 7 | $2, \quad 6,10,14$, | 23, | 27, 31 |
| 26 | 4 | 1 | 32 | 9,24 | - | 6 | $2, \quad 6,10$, | 23, | 27, 31 |
| 27 | 4 | 1 | 32 | 9,24 | - | 5 | 2, 6, 10, | 23, | 31 |
| 28 | 4 | 1 | 32 | 9,24 | - | 4 | 2,10, | 23, | 31 |
| 29 | 4 | 1 | 32 | 9,24 | - | 3 | 2,10, |  | 31 |
| 30 | 4 | 1 | 32 | 9,24 | - | 2 | 2, |  | 31 |
| 31 | 4 | 1 | 32 | 9,24 | - | 1 | 2 |  |  |
| 32 | 8 | 1 | 32 | 9, 24 | $\begin{aligned} & 5,13, \\ & 20,28 \end{aligned}$ | 0 | - |  |  |

Table 3 (for 33 to 64 entries) On a draw sheet numbered 1 to 64 .


Table 4 ( Seeds for 65 to 128 entries) On a draw sheet numbered 1 to 128.

| Entries | No of seeds | Seed 1 | Seed 2 | Seeds 3/4 | Seeds 5/8 | Seeds 9/16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 66 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 67 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 68 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 69 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9. 25, 41. 57, 72, 88, 104, 120 |
| 70 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 71 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 72 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 73 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 74 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 75 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 76 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 77 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 78 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 79 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 80 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 81 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 82 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 83 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 84 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 85 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 86 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 87 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 88 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 89 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 90 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 91 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 92 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 93 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 94 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 95 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 96 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |

Table 4 (continued)

| Entries | No of seeds | Seed 1 | Seed 2 | Seeds 3/4 | Seeds 5/8 | Seeds 9/16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 98 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 99 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 100 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 101 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 102 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 103 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 104 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 105 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 106 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 107 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 108 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 109 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 110 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 111 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 112 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 113 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 114 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 115 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 116 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 117 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 118 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 119 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 120 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 121 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 122 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 123 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 124 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 125 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 126 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 127 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 128 | 16 | 1 | 128 | 33, 96 | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |

Table 5 (Byes for 65 to 128 entries) On a draw sheet numbered 1 to 128.

| Entries | No of byes | Placement of byes |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65 | 63 | $\begin{array}{r} 2,4,6,8 \\ 10,12,14,16 \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30,32, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46,48, \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62,64, \end{aligned}$ | $\begin{array}{r} 67,69,71, \\ 73,75,77,79, \\ \hline \end{array}$ | $\begin{aligned} & 81,83,85,87, \\ & 89,91,93,95, \end{aligned}$ | $\begin{array}{r} 97, \\ \text { 105, 107, 101, 103, } \\ \hline \end{array}$ | $\begin{aligned} & 113,115,117,119, \\ & 121,123,125,127 \\ & \hline \end{aligned}$ |
| 66 | 62 | $\begin{array}{r} 2,4,6,8, \\ 10,12,14,16 \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30,32, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46,48 \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62, \end{aligned}$ | $\begin{array}{r} 67,69,71, \\ 73,75,77,79, \\ \hline \end{array}$ | $\begin{aligned} & 81,83,85,87, \\ & 89,91,93,95, \end{aligned}$ | $\begin{array}{r} 97,99,101,103, \\ 105,107,109,111, \\ \hline \end{array}$ | $\begin{aligned} & 113,115,117,119, \\ & 121,123,125,127 \end{aligned}$ |
| 67 | 61 | $\begin{gathered} 2,4,6,8 \\ 10,12,14,16 \end{gathered}$ | $\begin{aligned} & 18,20,22,24 \\ & 26,28,30,32 \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46,48 \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62, \end{aligned}$ | $\begin{array}{r} 67,69,71 \\ 73,75,77,79 \end{array}$ | $\begin{aligned} & 81,83,85,87, \\ & 89,91,93,95, \end{aligned}$ | $\begin{array}{r} 99,101,103 \\ 105,107,109,111 \end{array}$ | $\begin{aligned} & 113,115,117,119 \\ & 121,123,125,127 \end{aligned}$ |
| 68 | 60 | $\begin{array}{r} \hline 2,4,6,8, \\ 10,12,14,16, \end{array}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46,48, \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62, \end{aligned}$ | $\begin{array}{r} 67,69,71, \\ 73,75,77,79, \end{array}$ | $\begin{aligned} & 81,83,85,87, \\ & 89,91,93,95, \end{aligned}$ | $\begin{array}{r} 99,101,103, \\ 105,107,109,111, \end{array}$ | $\begin{aligned} & 113,115,117,119 \\ & 121,123,125,127 \end{aligned}$ |
| 69 | 59 | $\begin{array}{r} 2,4,6,8 \\ 10,12,14,16 \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46,48, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62, \\ & \hline \end{aligned}$ | $\begin{array}{r} 67,69,71, \\ 73,75,77,79, \\ \hline \end{array}$ | $\begin{array}{r} 83,85,87, \\ 89,91,93,95, \\ \hline \end{array}$ | $\begin{array}{r} 99,101,103, \\ 105,107,109,111, \end{array}$ | $\begin{aligned} & 113,115,117,119, \\ & 121,123,125,127 \\ & \hline \end{aligned}$ |
| 70 | 58 | $\begin{array}{r} 2,4,6,8, \\ 10,12,14,16 \end{array}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62, \end{aligned}$ | $\begin{array}{r} 67,69,71 \\ 73,75,77,79 \\ \hline \end{array}$ | $\begin{array}{r} 83,85,87, \\ 89,91,93,95, \end{array}$ | $\begin{array}{r} 99,101,103, \\ 105,107,109,111 \\ \hline \end{array}$ | $\begin{aligned} & 113,115,117,119, \\ & 121,123,125,127 \end{aligned}$ |
| 71 | 57 | $\begin{array}{r} 2,4,6,8 \\ 10,12,14,16 \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62, \end{aligned}$ | $\begin{array}{r} 67,69,71, \\ 73,75,77,79, \\ \hline \end{array}$ | $\begin{array}{r} 83,85,87, \\ 89,91,93,95, \end{array}$ | $\begin{array}{r} 99,101,103, \\ 105,107,109,111, \end{array}$ | $\begin{array}{r} 115,117,119 \\ 121,123,125,127 \\ \hline \end{array}$ |
| 72 | 56 | $\begin{aligned} & 2,4,6,8, \\ & 10,12,14, \end{aligned}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62, \end{aligned}$ | $\begin{array}{r} 67,69,71, \\ 73,75,77,79 \\ \hline \end{array}$ | $\begin{array}{r} 83,85,87, \\ 89,91,93,95, \end{array}$ | $\begin{array}{r} 99,101,103 \\ 105,107,109,111 \\ \hline \end{array}$ | $\begin{array}{r} 115,117,119, \\ 121,123,125,127 \\ \hline \end{array}$ |
| 73 | 55 | $\begin{gathered} 2,4,6,8, \\ 10,12,14, \\ \hline \end{gathered}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54,56, \\ & 58,60,62, \end{aligned}$ | $\begin{aligned} & \hline 67,69,71, \\ & 75,77,79, \end{aligned}$ | $\begin{array}{r} 83,85,87, \\ 89,91,93,95, \end{array}$ | $\begin{array}{r} 99,101,103 \\ 105,107,109,111, \end{array}$ | $\begin{array}{r} 115,117,119, \\ 121,123,125,127 \\ \hline \end{array}$ |
| 74 | 54 | $\begin{gathered} 2,4,6,8, \\ 10,12,14, \end{gathered}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60,62, \end{aligned}$ | $\begin{aligned} & 67,69,71, \\ & 75,77,79, \end{aligned}$ | $\begin{array}{r} 83,85,87, \\ 89,91,93,95, \end{array}$ | $\begin{array}{r} 99,101,103 \\ 105,107,109,111 \end{array}$ | $\begin{array}{r} 115,117,119 \\ 121,123,125,127 \end{array}$ |
| 75 | 53 | $\begin{gathered} 2,4,6,8 \\ 10,12,14, \\ \hline \end{gathered}$ | $\begin{aligned} & 18,20,22,24, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60,62, \end{aligned}$ | $\begin{aligned} & 67,69,71, \\ & 75,77,79, \end{aligned}$ | $\begin{array}{r} 83,85,87, \\ 89,91,93,95, \end{array}$ | $\begin{gathered} 99,101,103, \\ 107,109,111, \end{gathered}$ | $\begin{array}{r} 115,117,119 \\ 121,123,125,127 \\ \hline \end{array}$ |
| 76 | 52 | $\begin{array}{r} 2,4,6,8, \\ 10,12,14, \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60,62, \end{aligned}$ | $\begin{aligned} & 67,69,71, \\ & 75,77,79, \end{aligned}$ | $\begin{array}{r} 83,85,87, \\ 89,91,93,95, \\ \hline \end{array}$ | $\begin{array}{r} 99,101,103, \\ 107,109,111, \\ \hline \end{array}$ | $\begin{array}{r} 115,117,119 \\ 121,123,125,127 \\ \hline \end{array}$ |
| 77 | 51 | $\begin{aligned} & 2,4,6,8, \\ & 10,12,14, \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,20,22, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38,40, \\ & 42,44,46, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60,62, \end{aligned}$ | $\begin{aligned} & 67,69,71, \\ & 75,77,79, \end{aligned}$ | $\begin{aligned} & 83,85,87, \\ & 91,93,95, \end{aligned}$ | $\begin{array}{r} 99,101,103, \\ 107,109,111, \end{array}$ | $\begin{array}{r} 115,117,119, \\ 121,123,125,127 \\ \hline \end{array}$ |
| 78 | 50 | $\begin{aligned} & 2,4,6,8, \\ & 10,12,14, \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,20,22, \\ & 26,28,30, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60,62, \end{aligned}$ | $\begin{aligned} & 67,69,71, \\ & 75,77,79, \end{aligned}$ | $\begin{aligned} & 83,85,87, \\ & 91,93,95, \end{aligned}$ | $\begin{array}{r} 99,101,103, \\ 107,109,111, \\ \hline \end{array}$ | $\begin{array}{r} 115,117,119, \\ 121,123,125,127 \\ \hline \end{array}$ |
| 79 | 49 | $\begin{aligned} & 2,4,6,8, \\ & 10,12,14, \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,20,22, \\ & 26,28,30, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60,62, \end{aligned}$ | $\begin{aligned} & 67,69,71, \\ & 75,77,79, \\ & \hline \end{aligned}$ | $\begin{aligned} & 83,85,87, \\ & 91,93,95, \end{aligned}$ | $\begin{array}{r} 99,101,103, \\ 107,109,111, \\ \hline \end{array}$ | $\begin{aligned} & 115,117,119, \\ & 123,125,127 \\ & \hline \end{aligned}$ |

Table 5 (continued)

| Entries | No of byes | Placement of byes |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80 | 48 | $\begin{array}{r} 2,4,6, \\ 10,12,14, \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60,62, \end{aligned}$ | $\begin{aligned} & 67,69,71, \\ & 75,77,79, \end{aligned}$ | $\begin{aligned} & 83,85,87, \\ & 91,93,95, \end{aligned}$ | $\begin{array}{r} 99,101,103, \\ 107,109,111, \\ \hline \end{array}$ | $\begin{aligned} & 115,117,119, \\ & 123,125,127 \\ & \hline \end{aligned}$ |
| 81 | 47 | $\begin{array}{r} 2,4,6, \\ 10,12,14, \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60,62, \end{aligned}$ | $\begin{array}{r} 69,71, \\ 75,77,79, \end{array}$ | $\begin{aligned} & 83,85,87, \\ & 91,93,95, \end{aligned}$ | $\begin{array}{r} 99,101,103, \\ 107,109,111, \\ \hline \end{array}$ | $\begin{aligned} & 115,117,119, \\ & 123,125,127 \\ & \hline \end{aligned}$ |
| 82 | 46 | $\begin{array}{r} 2,4,6, \\ 10,12,14, \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44,46, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60, \end{aligned}$ | $\begin{array}{r} 69,71, \\ 75,77,79 \\ \hline \end{array}$ | $\begin{aligned} & 83,85,87, \\ & 91,93,95, \end{aligned}$ | $\begin{array}{r} 99,101,103, \\ 107,109,111, \\ \hline \end{array}$ | $\begin{aligned} & 115,117,119, \\ & 123,125,127 \\ & \hline \end{aligned}$ |
| 83 | 45 | $\begin{array}{r} 2,4,6, \\ 10,12,14, \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28,30, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60, \\ & \hline \end{aligned}$ | $\begin{array}{r} 69,71, \\ 75,77,79, \end{array}$ | $\begin{aligned} & 83,85,87, \\ & 91,93,95, \end{aligned}$ | $\begin{array}{r} 101,103, \\ 107,109,111, \end{array}$ | $\begin{aligned} & 115,117,119, \\ & 123,125,127 \\ & \hline \end{aligned}$ |
| 84 | 44 | $\begin{array}{r} 2,4,6, \\ 10,12,14, \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60, \\ & \hline \end{aligned}$ | $\begin{array}{r} 69,71, \\ 75,77,79, \end{array}$ | $\begin{aligned} & 83,85,87, \\ & 91,93,95, \end{aligned}$ | $\begin{array}{r} 101,103, \\ 107,109,111, \end{array}$ | $\begin{aligned} & 115,117,119, \\ & 123,125,127 \end{aligned}$ |
| 85 | 43 | $\begin{array}{r} 2,4,6, \\ 10,12,14, \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44,46, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60, \end{aligned}$ | $\begin{array}{r} 69,71, \\ 75,77,79, \end{array}$ | $\begin{array}{r} 85,87, \\ 91,93,95, \end{array}$ | $\begin{array}{r} 101,103, \\ 107,109,111, \\ \hline \end{array}$ | $\begin{aligned} & 115,117,119, \\ & 123,125,127 \\ & \hline \end{aligned}$ |
| 86 | 42 | $\begin{array}{r} 2,4,6, \\ 10,12,14, \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60, \\ & \hline \end{aligned}$ | $\begin{array}{r} 69,71, \\ 75,77,79, \end{array}$ | $\begin{array}{r} 85,87, \\ 91,93,95, \\ \hline \end{array}$ | $\begin{array}{r} 101,103, \\ 107,109,111, \\ \hline \end{array}$ | $\begin{aligned} & 115,117,119, \\ & 123,125,127 \\ & \hline \end{aligned}$ |
| 87 | 41 | $\begin{array}{r} 2,4,6, \\ 10,12,14, \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44, \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60, \end{aligned}$ | $\begin{array}{r} 69,71, \\ 75,77,79, \end{array}$ | $\begin{array}{r} 85,87, \\ 91,93,95, \end{array}$ | $\begin{array}{r} 101,103, \\ 107,109,111, \end{array}$ | $\begin{array}{r} 117,119, \\ 123,125,127 \end{array}$ |
| 88 | 40 | $\begin{array}{r} \hline 2,4,6, \\ 10,12, \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60, \end{aligned}$ | $\begin{array}{r} 69,71, \\ 75,77,79 \\ \hline \end{array}$ | $\begin{array}{r} 85,87, \\ 91,93,95, \end{array}$ | $\begin{array}{r} 101,103, \\ 107,109,111, \end{array}$ | $\begin{array}{r} 117,119, \\ 123,125,127 \\ \hline \end{array}$ |
| 89 | 39 | $\begin{array}{rr} \hline 2,4,6, \\ 10,12, & \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52,54, \\ & 58,60, \\ & \hline \end{aligned}$ | $\begin{aligned} & 69,71, \\ & 77,79, \end{aligned}$ | $\begin{array}{r} 85,87, \\ 91,93,95, \end{array}$ | $\begin{array}{r} 101,103, \\ 107,109,111, \end{array}$ | $\begin{array}{r} 117,119, \\ 123,125,127 \\ \hline \end{array}$ |
| 90 | 38 | $\begin{array}{rr} 2,4, & 6, \\ 10,12, & \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58,60, \end{aligned}$ | $\begin{aligned} & 69,71, \\ & 77,79, \end{aligned}$ | $\begin{array}{r} 85,87, \\ 91,93,95, \\ \hline \end{array}$ | $\begin{array}{r} 101,103, \\ 107,109,111, \end{array}$ | $\begin{array}{r} 117,119, \\ 123,125,127 \\ \hline \end{array}$ |
| 91 | 37 | $\begin{array}{rr} 2,4, & 6, \\ 10,12, & \\ \hline \end{array}$ | $\begin{aligned} & 18,20,22, \\ & 26,28, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58,60, \end{aligned}$ | $\begin{aligned} & 69,71, \\ & 77,79, \\ & \hline \end{aligned}$ | $\begin{array}{r} 85,87, \\ 91,93,95, \\ \hline \end{array}$ | $\begin{aligned} & 101,103, \\ & 109,111, \\ & \hline \end{aligned}$ | $\begin{array}{r} 117,119, \\ 123,125,127 \\ \hline \end{array}$ |
| 92 | 36 | $\begin{array}{rr} 2,4, & 6, \\ 10,12, & \\ \hline \end{array}$ | $\begin{aligned} & 18,20, \\ & 26,28, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58,60, \end{aligned}$ | $\begin{aligned} & 69,71, \\ & 77,79, \end{aligned}$ | $\begin{array}{r} 85,87, \\ 91,93,95 \\ \hline \end{array}$ | $\begin{aligned} & 101,103, \\ & 109,111, \\ & \hline \end{aligned}$ | $\begin{array}{r} 117,119, \\ 123,125,127 \\ \hline \end{array}$ |
| 93 | 35 | $\begin{array}{rr} \hline 2,4,6, \\ 10,12, & \\ \hline \end{array}$ | $\begin{aligned} & 18,20, \\ & 26,28, \end{aligned}$ | $\begin{aligned} & 34,36,38, \\ & 42,44, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58,60, \end{aligned}$ | $\begin{aligned} & 69,71, \\ & 77,79, \end{aligned}$ | $\begin{aligned} & 85,87, \\ & 93,95, \end{aligned}$ | $\begin{aligned} & 101,103, \\ & 109,111, \end{aligned}$ | $\begin{array}{r} 117,119, \\ 123,125,127 \\ \hline \end{array}$ |
| 94 | 34 | $\begin{array}{rr} 2,4, & 6, \\ 10,12, & \\ \hline \end{array}$ | $\begin{aligned} & 18,20, \\ & 26,28, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42,44, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58,60, \end{aligned}$ | $\begin{aligned} & 69,71, \\ & 77,79, \end{aligned}$ | $\begin{aligned} & 85,87, \\ & 93,95, \end{aligned}$ | $\begin{aligned} & 101,103, \\ & 109,111, \end{aligned}$ | $\begin{array}{r} 117,119 \\ 123,125,127 \\ \hline \end{array}$ |
| 95 | 33 | $\begin{array}{rr} \hline 2,4, & 6, \\ 10,12, & \\ \hline \end{array}$ | $\begin{aligned} & 18,20, \\ & 26,28, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42,44, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58,60, \end{aligned}$ | $\begin{aligned} & 69,71, \\ & 77,79, \end{aligned}$ | $\begin{aligned} & 85,87, \\ & 93,95, \end{aligned}$ | $\begin{aligned} & 101,103, \\ & 109,111, \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 117,119, \\ & 125,127 \\ & \hline \end{aligned}$ |
| 96 | 32 | $\begin{array}{r} 2,4, \\ 10,12, \\ \hline \end{array}$ | $\begin{aligned} & 18,20, \\ & 26,28, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42,44, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58,60, \end{aligned}$ | $\begin{aligned} & 69,71, \\ & 77,79, \end{aligned}$ | $\begin{aligned} & 85,87, \\ & 93,95, \\ & \hline \end{aligned}$ | $\begin{aligned} & 101,103, \\ & 109,111, \end{aligned}$ | $\begin{aligned} & \hline 117,119, \\ & 125,127 \\ & \hline \end{aligned}$ |

Table 5 (continued)

| Entries | No of byes | Placement of byes |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97 | 31 | $\begin{array}{r} 2,4, \\ 10,12, \end{array}$ | $\begin{aligned} & 18,20, \\ & 26,28, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42,44, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58,60, \end{aligned}$ | $\begin{array}{r} 71, \\ 77,79, \end{array}$ | $\begin{aligned} & 85,87, \\ & 93,95, \end{aligned}$ | $\begin{aligned} & \hline 101,103, \\ & 109,111, \end{aligned}$ | $\begin{aligned} & 117,119, \\ & 125,127 \end{aligned}$ |
| 98 | 30 | $\begin{array}{r} 2,4, \\ 10,12, \end{array}$ | $\begin{aligned} & 18,20, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42,44, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58, \end{aligned}$ | $\begin{array}{r} 71, \\ 77,79, \end{array}$ | $\begin{aligned} & 85,87, \\ & 93,95, \end{aligned}$ | $\begin{aligned} & 101,103, \\ & 109,111, \end{aligned}$ | $\begin{aligned} & 117,119, \\ & 125,127 \end{aligned}$ |
| 99 | 29 | $\begin{gathered} 2,4, \\ 10,12, \end{gathered}$ | $\begin{aligned} & 18,20, \\ & 26,28, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42,44, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58, \end{aligned}$ | $\begin{array}{r} 71, \\ 77,79, \end{array}$ | $\begin{aligned} & 85,87, \\ & 93,95, \end{aligned}$ | $\begin{array}{r} 103, \\ 109,111, \end{array}$ | $\begin{aligned} & 117,119, \\ & 125,127 \end{aligned}$ |
| 100 | 28 | $\begin{array}{r} 2,4, \\ 10,12, \end{array}$ | $\begin{aligned} & 18,20, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42,44, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58, \end{aligned}$ | $\begin{array}{r} 71, \\ 77,79, \end{array}$ | $\begin{aligned} & 85,87, \\ & 93,95, \end{aligned}$ | $\begin{array}{r} 103, \\ 109,111, \end{array}$ | $\begin{aligned} & 117,119, \\ & 125,127 \end{aligned}$ |
| 101 | 27 | $\begin{array}{r} 2,4, \\ 10,12, \end{array}$ | $\begin{aligned} & 18,20, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42,44, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58, \end{aligned}$ | $\begin{array}{r} 71, \\ 77,79, \end{array}$ | $\begin{array}{r} 87, \\ 93,95, \end{array}$ | $\begin{array}{r} 103, \\ 109,111, \end{array}$ | $\begin{aligned} & 117,119, \\ & 125,127 \end{aligned}$ |
| 102 | 26 | $\begin{array}{r} 2,4, \\ 10,12, \end{array}$ | $\begin{aligned} & 18,20, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58, \end{aligned}$ | $\begin{array}{r} 71, \\ 77,79, \end{array}$ | $\begin{array}{r} 87, \\ 93,95, \end{array}$ | $\begin{array}{r} 103, \\ 109,111, \end{array}$ | $\begin{aligned} & 117,119, \\ & 125,127 \end{aligned}$ |
| 103 | 25 | $\begin{array}{r} \hline 2,4, \\ 10,12, \end{array}$ | $\begin{aligned} & 18,20, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58, \end{aligned}$ | $\begin{array}{r} 71, \\ 77,79, \end{array}$ | $\begin{array}{r} 87, \\ 93,95, \end{array}$ | $\begin{array}{r} 103, \\ 109,111, \end{array}$ | $\begin{array}{r} \hline 119, \\ 125,127 \end{array}$ |
| 104 | 24 | $\begin{gathered} 2,4, \\ 10, \end{gathered}$ | $\begin{aligned} & 18,20, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58, \end{aligned}$ | $\begin{array}{r} 71, \\ 77,79, \end{array}$ | $\begin{array}{r} 87, \\ 93,95, \end{array}$ | $\begin{array}{r} 103, \\ 109,111, \end{array}$ | $\begin{array}{r} 119, \\ 125,127 \end{array}$ |
| 105 | 23 | $\begin{gathered} 2,4, \\ 10 \end{gathered}$ | $\begin{aligned} & 18,20, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42, \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 58, \end{aligned}$ | $\begin{aligned} & 71, \\ & 79, \end{aligned}$ | $\begin{array}{r} 87, \\ 93,95, \end{array}$ | $\begin{array}{r} 103, \\ 109,111, \end{array}$ | $\begin{array}{r} 119, \\ 125,127 \end{array}$ |
| 106 | 22 | $\begin{gathered} \hline 2,4, \\ 10, \end{gathered}$ | $\begin{aligned} & 18,20, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42, \end{aligned}$ | $\begin{aligned} & 50, \\ & 58, \end{aligned}$ | $\begin{aligned} & 71, \\ & 79, \end{aligned}$ | $\begin{array}{r} 87, \\ 93,95, \end{array}$ | $\begin{array}{r} 103, \\ 109,111, \end{array}$ | $\begin{array}{r} 119, \\ 125,127 \end{array}$ |
| 107 | 21 | $\begin{gathered} 2,4, \\ 10, \end{gathered}$ | $\begin{aligned} & 18,20, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42, \end{aligned}$ | $\begin{aligned} & 50, \\ & 58, \end{aligned}$ | $\begin{aligned} & 71, \\ & 79, \end{aligned}$ | $\begin{array}{r} 87, \\ 93,95, \end{array}$ | $\begin{aligned} & 103, \\ & 111, \end{aligned}$ | $\begin{array}{r} 119, \\ 125,127 \end{array}$ |
| 108 | 20 | $\begin{gathered} 2,4, \\ 10, \end{gathered}$ | $\begin{aligned} & 18, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42, \end{aligned}$ | $\begin{aligned} & 50, \\ & 58, \end{aligned}$ | $\begin{aligned} & 71, \\ & 79, \end{aligned}$ | $\begin{array}{r} 87, \\ 93,95, \end{array}$ | $\begin{aligned} & 103, \\ & 111, \end{aligned}$ | $\begin{array}{r} 119, \\ 125,127 \end{array}$ |
| 109 | 19 | $\begin{gathered} 2,4, \\ 10, \\ \hline \end{gathered}$ | $\begin{aligned} & 18, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 42, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50, \\ & 58, \end{aligned}$ | $\begin{aligned} & 71, \\ & 79, \end{aligned}$ | $\begin{aligned} & 87, \\ & 95, \end{aligned}$ | $\begin{aligned} & 103, \\ & 111, \end{aligned}$ | $\begin{array}{r} 119, \\ 125,127 \\ \hline \end{array}$ |
| 110 | 18 | $\begin{aligned} & 2,4, \\ & 10, \end{aligned}$ | $\begin{aligned} & 18, \\ & 26, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34, \\ & 42, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50, \\ & 58, \end{aligned}$ | $\begin{aligned} & 71, \\ & 79, \end{aligned}$ | $\begin{aligned} & 87, \\ & 95, \end{aligned}$ | $\begin{aligned} & 103, \\ & 111, \end{aligned}$ | $\begin{array}{r} 119, \\ 125,127 \\ \hline \end{array}$ |
| 111 | 17 | $\begin{gathered} 2,4, \\ 10, \\ \hline \end{gathered}$ | $\begin{aligned} & 18, \\ & 26, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34, \\ & 42, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50, \\ & 58, \end{aligned}$ | $\begin{aligned} & 71, \\ & 79, \end{aligned}$ | $\begin{aligned} & 87, \\ & 95, \end{aligned}$ | $\begin{aligned} & 103, \\ & 111, \\ & \hline \end{aligned}$ | $\begin{aligned} & 119, \\ & 127 \\ & \hline \end{aligned}$ |
| 112 | 16 | $\begin{array}{r} 2, \\ 10, \end{array}$ | $\begin{aligned} & 18, \\ & 26, \end{aligned}$ | $\begin{aligned} & 34, \\ & 42, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50, \\ & 58, \end{aligned}$ | $\begin{aligned} & 71, \\ & 79, \end{aligned}$ | $\begin{aligned} & 87, \\ & 95, \end{aligned}$ | $\begin{aligned} & 103, \\ & 111, \\ & \hline \end{aligned}$ | $\begin{aligned} & 119, \\ & 127 \\ & \hline \end{aligned}$ |
| 113 | 15 | $\begin{array}{r} 2, \\ 10, \end{array}$ | $18,$ | $\begin{aligned} & \hline 34, \\ & 42, \\ & \hline \end{aligned}$ | $\begin{aligned} & 50, \\ & 58, \end{aligned}$ | 79, | $\begin{aligned} & 87, \\ & 05, \end{aligned}$ | $\begin{aligned} & 103, \\ & 111, \end{aligned}$ | $\begin{aligned} & \hline 119, \\ & 127 \\ & \hline \end{aligned}$ |

Table 5 (continued)

| Entries | No of byes | Placement of byes |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 114 | 14 | $\begin{array}{r} 2, \\ 10, \\ \hline \end{array}$ | $\begin{aligned} & 18, \\ & 26, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34, \\ & 42, \\ & \hline \end{aligned}$ | 50, | 79, | $\begin{aligned} & 87, \\ & 95, \end{aligned}$ | $\begin{aligned} & 103, \\ & 111, \end{aligned}$ | $\begin{aligned} & 119, \\ & 127 \end{aligned}$ |
| 115 | 13 | $\begin{array}{r} 2, \\ 10, \end{array}$ | $\begin{aligned} & 18, \\ & 26, \\ & \hline \end{aligned}$ | $\begin{aligned} & 34, \\ & 42, \\ & \hline \end{aligned}$ | 50, | 79, | $\begin{aligned} & 87, \\ & 95, \end{aligned}$ | 111, | $\begin{aligned} & \hline 119, \\ & 127 \\ & \hline \end{aligned}$ |
| 116 | 12 | $\begin{array}{r} 2, \\ 10, \end{array}$ | 18, | $\begin{aligned} & 34, \\ & 42, \\ & \hline \end{aligned}$ | 50, | 79, | $\begin{aligned} & 87, \\ & 95, \end{aligned}$ | 111, | $\begin{aligned} & \hline 119, \\ & 127 \\ & \hline \end{aligned}$ |
| 117 | 11 | $\begin{array}{r} 2, \\ 10, \end{array}$ | 18, | $\begin{aligned} & 34, \\ & 42, \\ & \hline \end{aligned}$ | 50, | 79, | 95, | 111, | $\begin{aligned} & 119, \\ & 127 \\ & \hline \end{aligned}$ |
| 118 | 10 | $\begin{array}{r} 2, \\ 10, \end{array}$ | 18, | 34, | 50, | 79, | 95, | 111, | $\begin{aligned} & \hline 119, \\ & 127 \\ & \hline \end{aligned}$ |
| 119 | 9 | $\begin{array}{r} 2, \\ 10, \end{array}$ | 18, | 34, | 50, | 79, | 95, | 111, | 127 |
| 120 | 8 | 2 , | 18, | 34, | 50, | 79, | 95, | 111, | 127 |
| 121 | 7 | 2, | 18, | 34, | 50, |  | 95, | 111, | 127 |
| 122 | 6 | 2 , | 18, | 34, |  |  | 95, | 111, | 127 |
| 123 | 5 | 2 , | 18, | 34, |  |  | 95, |  | 127 |
| 124 | 4 | 2 , |  | 34, |  |  | 95, |  | 127 |
| 125 | 3 | 2 , |  | 34, |  |  |  |  | 127 |
| 126 | 2 | 2 , |  |  |  |  |  |  | 127 |
| 127 | 1 | 2 , |  |  |  |  |  |  |  |
| 128 | 0 |  |  |  |  |  |  |  |  |

Table 6 (Seeds for 129 to 256 entries) On a draw sheet numbered 1 to 256.

| Entries | No of seeds | $\begin{gathered} \text { Seed } \\ 1 \end{gathered}$ | Seed 2 | Seeds 3/4 | Seeds 5/8 | Seeds 9/16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 129 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 130 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 131 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 132 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 133 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 134 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 135 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 136 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 137 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 138 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 139 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 140 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 141 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 142 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 143 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 144 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 145 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 146 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 147 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 148 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 149 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 150 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 151 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 152 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 153 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 154 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 155 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 156 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 157 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 158 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 159 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 160 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |

Table 6 (continued)

| 161 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 162 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 163 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 164 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 165 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 166 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 167 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 168 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 169 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 170 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 171 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 172 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 173 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 174 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 175 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 176 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 177 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 178 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 179 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 180 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 181 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 182 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 183 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 184 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 185 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 186 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 187 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 188 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 189 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 190 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 191 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 192 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |

Table 6 (continued)

| 193 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 194 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 195 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 196 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 197 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 198 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 199 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 200 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 201 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 202 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 203 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 204 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 205 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 206 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 207 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 208 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 209 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 210 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 211 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 212 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 213 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 214 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 215 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 216 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 217 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 218 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 219 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 220 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 221 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 222 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 223 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 224 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |

Table 6 (continued)

| 225 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 226 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 227 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 228 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 229 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 230 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 231 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 232 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 233 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 234 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 235 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 236 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 237 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 238 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 239 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 240 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 241 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 242 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 243 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 244 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 245 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 246 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 247 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 248 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 249 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 250 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 251 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 252 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 253 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 254 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 255 | 16 | 1 | 256 | 65, 192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |
| 256 | 16 | 1 | 256 | 65,192 | 33, 97, 160, 224 | 17, 49, 81, 113, 144, 176, 208, 240 |



## DIAGRAM 2 (2 of 4)



## DIAGRAM 3 (3 of 4)



## DIAGRAM 4 (4 of 4)











Table 7 (Byes for 129 to 256 entries) On a draw sheet numbered 129 to 256.

| Entries | No of | Placement of byes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 129 | 127 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30,32 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62,64 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94,96 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126,128 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 145,147, \\ 149,151, \\ 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{aligned} & \hline 161,163, \\ & 165,167, \\ & 169,171, \\ & 173,, 175 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 193,195, \\ 197,199, \\ 201,203, \\ 205,207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 225,227, \\ 229,231, \\ 233,235, \\ 237,239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 130 | 126 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30,32 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62,64 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94,96 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 145,147, \\ 149,151, \\ 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{aligned} & \hline 161,163, \\ & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 193,195, \\ 197,199, \\ 201,203, \\ 205,207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 225,227, \\ 229,231, \\ 233,235, \\ 237,239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 131 | 125 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30,32 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62,64 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94,96 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 145,147, \\ 149,151, \\ 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{aligned} & \hline 161,163, \\ & 165,167, \\ & 169,171, \\ & 173,, 175 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} 225,227, \\ 229,231, \\ 233,235, \\ 237,239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 132 | 124 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30,32 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92, \\ & 94,96 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \end{aligned}$ | $\begin{array}{r} 131,133, \\ 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{array}{r} \hline 145,147, \\ 149,151, \\ 153,155, \\ 157,159 \end{array}$ | $\begin{aligned} & \hline 161,163, \\ & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \end{array}$ | $\begin{gathered} \hline 225,227, \\ 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{gathered} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| 133 | 123 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30,32 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94,96 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \\ & \hline \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 145,147, \\ 149,151, \\ 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} 225,227, \\ 229,231, \\ 233,235, \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 134 | 122 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30,32 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \end{aligned}$ | $\begin{array}{r} 131,133, \\ 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{array}{r} \hline 145,147, \\ 149,151, \\ 153,155, \\ 157,159 \end{array}$ | $\begin{array}{r} 163,165, \\ 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \end{array}$ | $\begin{array}{r} 195,197, \\ 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \end{array}$ | $\begin{array}{r} \hline 225,227, \\ 229,231, \\ 233,235, \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \end{array}$ |
| 135 | 121 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30,32 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 145,147, \\ 149,151, \\ 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 136 | 120 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 145,147, \\ 149,151, \\ 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |

[^0]General Competition Regulations

Table 7 (continued)

| 137 | 119 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110,112 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 138 | 118 | $\begin{aligned} & 2,4,6 \\ & 8,10 \\ & 12,14 \\ & 16 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \\ & \hline \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} 163,165, \\ 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{gathered} \hline 209,211, \\ 213,215, \\ 217,219, \\ 221,223 \end{gathered}$ | $\begin{array}{r} 227,229, \\ 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \end{array}$ |
| 139 | 117 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46,48 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173,, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 140 | 116 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 177,179, \\ 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 141 | 115 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76, \\ & 78,80 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \end{array}$ |
| 142 | 114 | $\begin{aligned} & 2,4,6 \\ & 8,10 \\ & 12,14 \\ & 16 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \\ & \hline \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} 163,165, \\ 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 241,243, \\ 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 143 | 113 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12,14, \\ & 16 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 195,197, \\ 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 144 | 112 | $\begin{aligned} & 2,4,6 \\ & 8,10 \\ & 12,14 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \end{aligned}$ | $\begin{array}{r} \hline 131,133, \\ 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \end{array}$ | $\begin{array}{r} 195,197 \\ 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |

[^1]General Competition Regulations

Table 7 (continued)

| 145 | 111 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \\ & \hline \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124, \\ & 126 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \prime \\ 175 \end{array}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | 195,197, 199,201, 203,205, 207 | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 227,229, \\ 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 146 | 110 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \prime \\ 175 \end{array}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \end{array}$ | $\begin{array}{r} 195,197 \\ 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 227,229, \\ 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 147 | 109 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58,60, \\ & 62 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 66,68, \\ 70,72, \\ 74,76, \\ 78 \\ \hline \end{array}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \\ & \hline \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \end{array}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} 227,229, \\ 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 148 | 108 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{array}{\|l\|} \hline 66,68, \\ 70,72, \\ 74,76, \\ 78 \\ \hline \end{array}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \\ & \hline \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 163,165, \\ 167,169, \\ 171,173, \prime \\ 175 \end{array}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \end{array}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} 227,229, \\ 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 149 | 107 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | 50, 52, <br> 54, 56, <br> 58, 60 | $\begin{array}{\|l\|} \hline 66,68, \\ 70,72, \\ 74,76, \\ 78 \\ \hline \end{array}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90,92, \\ & 94 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{array}{r} 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 199 \end{array}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 227,229, \\ 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 150 | 106 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{array}{\|l\|} \hline 66,68, \\ 70,72, \\ 74,76, \\ 78 \\ \hline \end{array}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{aligned} & 133,135, \\ & 137,139, \\ & 141,143 \end{aligned}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \end{array}$ | 197, 199, <br> 201, 203, <br> 205, 207 | $\begin{array}{r} 211,213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 227,229, \\ 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 151 | 105 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28, \\ & 30 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | 50, 52, <br> 54, 56, <br> 58, 60 | $\begin{array}{\|l\|} \hline 66,68, \\ 70,72, \\ 74,76, \\ 78 \\ \hline \end{array}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \\ & \hline \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{array}{r} \hline 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{aligned} & 229,231, \\ & 233,235, \\ & 237,239 \end{aligned}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 152 | 104 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | 50, 52, <br> 54, 56, <br> 58, 60 | $\begin{array}{\|l} \hline 66,68, \\ 70,72, \\ 74,76, \\ 78 \\ \hline \end{array}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{array}{r} 147,149, \\ 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | 197, 199, <br> 201, 203, <br> 205, 207 | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |

[^2]Table 7 (continued)

| 153 | 103 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106,108, \\ & 110 \end{aligned}$ | 114, 116, <br> 118, 120, <br> 122, 124 | 133, 135, 137, 139, <br> 141, 143 | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,175 \end{aligned}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{array}{r} 243,245, \\ 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154 | 102 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | 114, 116, <br> 118, 120, <br> 122, 124 | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,175 \end{aligned}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} \hline 211,213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 155 | 101 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44, \\ & 46 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{array}{r} 179,181, \\ 183,185, \\ 187,189, \\ 191 \end{array}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 156 | 100 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{array}{\|l} \hline 66,68, \\ 70,72, \\ 74,76, \\ 78 \\ \hline \end{array}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{array}{r} \hline 179,181, \\ 183,185, \\ 187,189, \\ 191 \end{array}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 157 | 99 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76, \\ & 78 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | 114, 116, <br> 118, 120, <br> 122, 124 | $\begin{gathered} 133,135, \\ 137,139 \\ 141,143 \end{gathered}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,175 \end{aligned}$ | $\begin{gathered} 181,183, \\ 185,187, \\ 189,191 \end{gathered}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{aligned} & 229,231, \\ & 233,235, \\ & 237,239 \end{aligned}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 158 | 98 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | 114, 116, <br> 118, 120, <br> 122, 124 | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | 149, 151, 153, 155, 157, 159 | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{gathered} 181,183, \\ 185,187, \\ 189,191 \end{gathered}$ | $\begin{aligned} & 197,199, \\ & 201,203, \\ & 205,207 \end{aligned}$ | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{array}{r} \hline 243,245, \\ 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 159 | 97 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12,14 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | 114, 116, <br> 118, 120, <br> 122, 124 | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,175 \end{aligned}$ | $\begin{gathered} 181,183, \\ 185,187, \\ 189,191 \end{gathered}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{aligned} & 229,231, \\ & 233,235, \\ & 237,239 \end{aligned}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| 160 | 96 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122,124 \end{aligned}$ | $\begin{gathered} 133,135, \\ 137,139, \\ 141,143 \end{gathered}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,175 \end{aligned}$ | $\begin{gathered} 181,183, \\ 185,187, \\ 189,191 \end{gathered}$ | $\begin{aligned} & 197,199, \\ & 201,203, \\ & 205,207 \end{aligned}$ | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |

[^3]General Competition Regulations

Table 7 (continued)

| 161 | 95 | $\begin{aligned} & 2,4,6 \\ & 8,10, \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | 114, 116, <br> 118, 120, <br> 122, 124 | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,175 \end{aligned}$ | $\begin{gathered} 181,183, \\ 185,187, \\ 189,191 \end{gathered}$ | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} 213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{aligned} & 229,231, \\ & 233,235, \\ & 237,239 \end{aligned}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 162 | 94 | $\begin{aligned} & 2,4,6 \\ & 8,10, \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | 181, 183, 185, 187, 189, 191 | 197, 199, 201, 203, 205, 207 | $\begin{array}{r} 213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| 163 | 93 | $\begin{aligned} & 2,4,6 \\ & 8,10 \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58,60 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104, \\ & 106,108 \end{aligned}$ | $\begin{aligned} & \text { 114, 116, } \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137 \\ 139,141, \\ 143 \end{array}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{gathered} 181,183, \\ 185,187, \\ 189,191 \end{gathered}$ | $\begin{array}{r} 199,201 \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{aligned} & 229,231, \\ & 233,235, \\ & 237,239 \end{aligned}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| 164 | 92 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{aligned} & 165,167, \\ & 169,171, \\ & 173,, 175 \end{aligned}$ | $\begin{gathered} 181,183, \\ 185,187, \\ 189,191 \end{gathered}$ | $\begin{array}{r} 199,201 \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{gathered} 229,231, \\ 233,235, \\ 237,239 \end{gathered}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| 165 | 91 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20 \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90,92 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104, \\ & 106,108 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{array}{r} 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{gathered} 181,183, \\ 185,187, \\ 189,191 \end{gathered}$ | $\begin{array}{r} 199,201 \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{aligned} & 229,231, \\ & 233,235, \\ & 237,239 \end{aligned}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| 166 | 90 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90 \end{aligned}$ | 98, 100, 102, 104, 106, 108 | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{array}{r} 167,169, \\ 171,173,, \\ 175 \end{array}$ | 181, 183, 185, 187, 189, 191 | $\begin{array}{r} 199,201 \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{aligned} & 229,231, \\ & 233,235, \\ & 237,239 \end{aligned}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| 167 | 89 | $\begin{aligned} & 2,4,6 \\ & 8,10, \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20 \\ & 22,24, \\ & 26,28 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104, \\ & 106,108 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{array}{r} 167,169, \\ 171,173, \\ 175 \end{array}$ | 181, 183, 185, 187, 189, 191 | $\begin{array}{r} 199,201 \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |
| 168 | 88 | $\begin{aligned} & 2,4,6, \\ & 8,10, \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42,44 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104, \\ & 106,108 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{gathered} 149,151, \\ 153,155, \\ 157,159 \end{gathered}$ | $\begin{array}{r} 167,169, \\ 171,173,, \\ 175 \end{array}$ | 181, 183, 185, 187, 189, 191 | $\begin{array}{r} 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{gathered} 245,247, \\ 249,251, \\ 253,255 \end{gathered}$ |

[^4]Table 7 (continued)

| 169 | 87 | $\begin{aligned} & 2,4,6 \\ & 8,10 \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \end{aligned}$ | 34, 36, <br> 38 40, <br> 42, 44 | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104 \\ & 106,108 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{array}{r} 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} 181,183, \\ 185,187, \\ 189,191 \end{array}$ | $\begin{array}{r} 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} 245,247 \\ 249,251 \\ 253,255 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 170 | 86 | $\begin{aligned} & 2,4,6 \\ & 8,10 \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \end{aligned}$ | 34, 36, <br> 3840 , <br> 42, 44 | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74,76 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104, \\ & 106 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{array}{r} 151,153 \\ 155,157 \\ 159 \end{array}$ | $\begin{array}{r} 167,169, \\ 171,173, \\ 175 \end{array}$ | $\begin{array}{r} 181,183, \\ 185,187, \\ 189,191 \end{array}$ | $\begin{array}{r} 199,201 \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 213, \\ 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} 245,247 \\ 249,251 \\ 253,255 \end{array}$ |
| 171 | 85 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12 \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840, \\ & 42,44 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76 \\ & \hline \end{aligned}$ | 82, 84, <br> 86, 88, <br> 90 | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 172 | 84 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12 \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \\ & \hline \end{aligned}$ | 50, 52, <br> 54, 56, 58 | 66, 68, 70, 72, <br> 74, 76 | 82, 84, <br> 86, 88, 90 | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 181,183, \\ 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 173 | 83 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | $34,36,$ <br> 3840 , <br> 42 | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74,76 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 174 | 82 | $\begin{aligned} & 2,4,6, \\ & 8,10 \\ & 12 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88, \\ & 90 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120, \\ & 122 \end{aligned}$ | $\begin{array}{r} \hline 135,137, \\ 139,141, \\ 143 \end{array}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 245,247, \\ 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 175 | 81 | $\begin{aligned} & \hline 2,4,6, \\ & 8,10, \\ & 12 \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | 34, 36, 3840 , 42 | 50, 52, <br> 54, 56, 58 | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | 82, 84, 86, 88, 90 | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 176 | 80 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | $34,36,$ <br> 38 40, <br> 42 | 50, 52, <br> 54, 56, 58 | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | 82, 84, <br> 86, 88, 90 | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120, \\ & 122 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 135,137, \\ 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 199,201, \\ 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |

Table 7 (continued)

| 177 | 79 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90 \\ & \hline \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106 \end{aligned}$ | 114, 116, <br> 118, 120, <br> 122 | $\begin{gathered} 137,139 \\ 141,143 \end{gathered}$ | $\begin{array}{r} 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} 183,185, \\ 187,189 \\ 191 \\ \hline \end{array}$ | $\begin{gathered} 199,201, \\ 203,205, \\ 207 \end{gathered}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 178 | 78 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56, \\ & 58 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 8,8,88, \\ & 90 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173, \\ 175 \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \end{array}$ | $\begin{array}{r} \hline 199,201, \\ 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 179 | 77 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56, \\ & 58 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189 \\ 191 \end{array}$ | $\begin{gathered} 201,203 \\ 205,207 \end{gathered}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 180 | 76 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88, \\ & 90 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{gathered} 137,139 \\ 141,143 \end{gathered}$ | $\begin{array}{r} 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 167,169, \\ 171,173,, \\ 175 \end{array}$ | $\begin{array}{r} 183,185, \\ 187,189 \\ 191 \end{array}$ | $\begin{gathered} 201,203 \\ 205,207 \end{gathered}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 181 | 75 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 8,88, \\ & 90 \end{aligned}$ | $\begin{array}{\|l\|} \hline 98,100, \\ 102,104, \\ 106 \\ \hline \end{array}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{gathered} 137,139, \\ 141,143 \end{gathered}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{gathered} 169,171 \\ 173,175 \end{gathered}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \end{array}$ | $\begin{array}{r} 201,203, \\ 205,207 \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} \hline 231,233, \\ 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \end{array}$ |
| 182 | 73 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74 \end{aligned}$ | $\begin{array}{\|l} \hline 82,84 \\ 86,88 \end{array}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{gathered} 169,171 \\ 173,175 \end{gathered}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \end{array}$ | $\begin{gathered} 201,203 \\ 205,207 \end{gathered}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 231,233, \\ 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 183 | 72 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24, \\ & 26 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74 \end{aligned}$ | $\begin{array}{\|l} \hline 82,84 \\ 86,88 \end{array}$ | $\begin{aligned} & 98,100, \\ & 102,104, \\ & 106 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} \hline 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{gathered} 169,171 \\ 173,175 \end{gathered}$ | $\begin{array}{r} \hline 183,185, \\ 187,189 \\ 191 \end{array}$ | $\begin{gathered} 201,203 \\ 205,207 \end{gathered}$ | $\begin{array}{r} 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{gathered} 233,235, \\ 237,239 \end{gathered}$ | $\begin{array}{r} 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 184 | 72 | $\begin{aligned} & 2,4,6, \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 82,84 \\ 86,88 \end{array}$ | $\begin{array}{\|l\|} \hline 98,100, \\ 102,104, \\ 106 \\ \hline \end{array}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 151,153, \\ 155,157, \\ 159 \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189 \\ 191 \\ \hline \end{array}$ | $\begin{gathered} 201,203 \\ 205,207 \end{gathered}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{gathered} 233,235, \\ 237,239 \end{gathered}$ | $\begin{array}{r} 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |

Table 7 (continued)

| 185 | 71 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20 \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52 \\ & 54,56 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84 \\ & 86,88 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104, \\ & 106 \\ & \hline \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 153,155 \\ 157,159 \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} 201,203 \\ 205,207 \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} 233,235 \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 186 | 70 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20 \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840, \\ & 42 \end{aligned}$ | $\begin{aligned} & 50,52 \\ & 54,56 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84 \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 153,155 \\ 157,159 \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} 201,203 \\ 205,207 \end{array}$ | $\begin{array}{r} \hline 215,217, \\ 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} 233,235 \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 187 | 69 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20 \\ & 22,24 \end{aligned}$ | $34,36,$ <br> 38 40, <br> 42 | $\begin{aligned} & 50,52 \\ & 54,56 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 153,155 \\ 157,159 \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} 201,203 \\ 205,207 \end{array}$ | $\begin{array}{r} 217,219 \\ 221,223 \end{array}$ | $\begin{array}{r} 233,235 \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 188 | 68 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20 \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52 \\ & 54,56 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84 \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 153,155, \\ 157.159 \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \end{array}$ | $\begin{array}{r} \hline 183,185, \\ 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} 201,203 \\ 205,207 \end{array}$ | $\begin{array}{r} 217,219 \\ 221,223 \end{array}$ | $\begin{array}{r} 233,235 \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 189 | 67 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20 \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36 \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52 \\ & 54,56 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72, \\ & 74 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84 \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 153,155 \\ 157,159 \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \end{array}$ | $\begin{array}{r} 185,187 \\ 189,191 \end{array}$ | $\begin{array}{r} 201,203, \\ 205,207 \end{array}$ | $\begin{array}{r} 217,219 \\ 221,223 \end{array}$ | $\begin{array}{r} 233,235 \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 190 | 66 | $\begin{aligned} & 2,4,6 \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20 \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139 \\ 141,143 \end{array}$ | $\begin{array}{r} 153,155 \\ 157,159 \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \end{array}$ | $\begin{array}{r} 185,187 \\ 189,191 \end{array}$ | $\begin{array}{r} 201,203 \\ 205,207 \end{array}$ | $\begin{array}{r} 217,219 \\ 221,223 \end{array}$ | $\begin{array}{r} 233,235 \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 247,249, \\ 251,253, \\ 255 \\ \hline \end{array}$ |
| 191 | 65 | $\begin{aligned} & 2,4,6, \\ & 8,10 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 137,139, \\ 141,143 \\ \hline \end{array}$ | $\begin{array}{r} 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \\ \hline \end{array}$ | $\begin{array}{r} 185,187 \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} 201,203, \\ 205,207 \end{array}$ | $\begin{array}{r} 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} 233,235 \\ 237,239 \end{array}$ | $\begin{array}{r} 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 192 | 64 | $\begin{aligned} & 2,4,6, \\ & 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86,88 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118,120 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 137,139, \\ 141,143 \\ \hline \end{array}$ | $\begin{array}{r} 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 169,171, \\ 173,175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} 201,203, \\ 205,207 \\ \hline \end{array}$ | $\begin{array}{r} 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 233,235, \\ 237,239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 193 | 63 | $\begin{aligned} & 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118,120 \end{aligned}$ | $\begin{array}{r} 139,141 \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} 169,171 \\ 173,175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187 \\ 189,191 \\ \hline \end{array}$ | $\begin{gathered} 201,203, \\ 205,207 \end{gathered}$ | $\begin{array}{r} 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} 233,235 \\ 237,239 \end{array}$ | $\begin{array}{r} 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 194 | 62 | $\begin{aligned} & 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54,56 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 169,171 \\ 173,175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 201,203, \\ 205,207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} 233,235, \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 195 | 61 | $\begin{aligned} & 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54,56 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \end{array}$ | $\begin{array}{r} \hline 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 169,171 \\ 173,175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 203,205 \\ 207 \end{array}$ | $\begin{array}{r} \hline 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 233,235, \\ 237,239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 196 | 60 | $\begin{aligned} & 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \end{array}$ | $\begin{array}{r} \hline 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 169,171 \\ 173,175 \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \end{array}$ | $\begin{array}{r} \hline 203,205 \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 233,235, \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 197 | 59 | $\begin{aligned} & \hline 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86,88 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{gathered} \hline 153,155, \\ 157,159 \end{gathered}$ | $\begin{array}{r} \hline 171,173, \\ 175 \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \end{array}$ | $\begin{array}{r} \hline 203,205 \\ 207 \end{array}$ | $\begin{array}{r} \hline 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 233,235, \\ 237,239 \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 198 | 58 | $\begin{aligned} & 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \end{array}$ | $\begin{array}{r} \hline 203,205 \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} 233,235, \\ 237,239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 199 | 57 | $\begin{aligned} & 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22,24 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 203,205 \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \end{array}$ |
| 200 | 56 | $\begin{aligned} & 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22 \\ & \hline \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86 \\ & \hline \end{aligned}$ | $\begin{aligned} & 98,100 \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141 \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} 153,155, \\ 157,159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} 185,187 \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} 203,205 \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} 217,219, \\ 221,223 \\ \hline \end{array}$ | $\begin{array}{r} 235,237, \\ 239 \end{array}$ | $\begin{array}{r} 249,251, \\ 253,255 \\ \hline \end{array}$ |

[^5]General Competition Regulations

| Table 7 (continued) |
| :--- | :--- | :--- |


| 201 | 55 | $\begin{aligned} & 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & \hline 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102,104 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141 \\ 143 \end{array}$ | $\begin{array}{r} \hline 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \end{array}$ | $\begin{gathered} \hline 217,219, \\ 221,223 \end{gathered}$ | $\begin{array}{r} \hline 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 202 | 54 | $\begin{aligned} & 2,4, \\ & 8 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 139,141 \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187 \\ 189,191 \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 217,219, \\ 221,223 \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \end{array}$ |
| 203 | 53 | $\begin{aligned} & \hline 2,4,6, \\ & 8 \end{aligned}$ | $\begin{aligned} & \hline 18,2 \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 3840 \end{aligned}$ | $\begin{aligned} & \hline 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187 \\ 189,191 \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 204 | 52 | $\begin{aligned} & \hline 2,4, \\ & 8 \end{aligned}$ | $\begin{aligned} & \hline 18,2 \\ & 22 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 34,3 \\ & 38 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72 \\ & \hline \end{aligned}$ | $\begin{aligned} & 82,84, \\ & 86 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 185,187, \\ 189,191 \\ \hline \end{array}$ | $\begin{array}{r} 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 235,237, \\ \hline 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \\ \hline \end{array}$ |
| 205 | 51 | $\begin{array}{\|l} \hline 2,4, \\ 8 \\ \hline \end{array}$ | $\begin{aligned} & 18,2 \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70,72 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141, \\ 143 \end{array}$ | $\begin{array}{r} 55,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \end{array}$ | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 35,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \end{array}$ |
| 206 | 50 | $\begin{aligned} & 2,4, \\ & 8 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141 \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 35,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 249,251, \\ 253,255 \end{array}$ |
| 207 | 49 | $\begin{aligned} & \hline 2,4, \\ & 8 \end{aligned}$ | $\begin{aligned} & 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & \hline 34,36, \\ & 38 \end{aligned}$ | $\begin{aligned} & \text { 50, 52, } \\ & 54 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | $\begin{aligned} & 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} \hline 139,141 \\ 143 \\ \hline \end{array}$ | $\begin{array}{r} \hline 155,157, \\ 159 \\ \hline \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 187,189, \\ 191 \\ \hline \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \\ \hline \end{array}$ | $\begin{array}{r} \hline 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 251,253, \\ 255 \\ \hline \end{array}$ |
| 208 | 48 | 2, 4, 6 | $\begin{aligned} & 18,20, \\ & 20 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | $\begin{aligned} & \text { 50, 52, } \\ & 54 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118 \end{aligned}$ | $\begin{array}{r} 139,141, \\ 143 \end{array}$ | $\begin{array}{r} \hline 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \end{array}$ | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 209 | 47 | 2, 4, | $\begin{aligned} & 18,20, \\ & 222 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | $\begin{aligned} & \text { 50, 52, } \\ & 54 \end{aligned}$ | $\begin{aligned} & 66,68, \\ & 70 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | $\begin{aligned} & \hline 114,116, \\ & 118 \end{aligned}$ | 141, 143 | $\begin{array}{r} 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173 \\ 175 \end{array}$ | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 251,253 \\ 255 \end{array}$ |
| 210 | 46 | 2, 4, 6 | $\begin{aligned} & 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | 114, 116 | 141, 14 | $\begin{array}{r} \hline 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \end{array}$ | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | $\begin{array}{r} \hline 203,205, \\ 207 \end{array}$ | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 211 | 45 | 2, 4, 6 | $\begin{array}{\|l} \hline 18,20, \\ 22 \end{array}$ | $\begin{aligned} & 34,36, \\ & 38 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50,52, \\ & 54 \end{aligned}$ | $\begin{aligned} & \hline 66,68, \\ & 70 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | 114, 116 | 141, 143 | $\begin{array}{r} \hline 155,157, \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \\ \hline \end{array}$ | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | 205, 207 | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \\ \hline \end{array}$ | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 212 | 44 | 2, 4, 6 | $\begin{aligned} & 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | 50,52 | $\begin{aligned} & \hline 66,68, \\ & 70 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | 114, 116 | 141, 143 | $\begin{array}{r} \hline 155,157 \\ 159 \end{array}$ | $\begin{array}{r} \hline 171,173, \\ 175 \end{array}$ | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | 205, 207 | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 213 | 43 | 2,4,6 | $\begin{aligned} & 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | 50,52 | $\begin{aligned} & 66,68, \\ & 70 \end{aligned}$ | $\begin{aligned} & \hline 82,84, \\ & 86 \end{aligned}$ | $\begin{aligned} & 98,100, \\ & 102 \end{aligned}$ | 114, 116 | 141, 143 | $\begin{array}{r} 155,157, \\ 159 \end{array}$ | 173, 175 | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | 205, 207 | $\begin{array}{r} \hline 219,221, \\ 223 \\ \hline \end{array}$ | $\begin{array}{r} \hline 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 214 | 42 | 2, 4, 6 | $\begin{aligned} & 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | 50,52 | $\begin{aligned} & 66,68, \\ & 70 \end{aligned}$ | 82, 84 | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | 114, 116 | 141, 143 | $\begin{array}{r} \hline 155,157, \\ 159 \end{array}$ | 173, 175 | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | 205, 207 | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | $\begin{array}{r} 235,237, \\ 239 \end{array}$ | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 215 | 41 | 2, 4, 6 | $\begin{aligned} & \hline 18,20, \\ & 22 \end{aligned}$ | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | 50,52 | $\begin{aligned} & \hline 66,68, \\ & 70 \end{aligned}$ | 82, 84 | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | 114, 116 | 141, 14 | $\begin{array}{r} \hline 155,157 \\ 159 \end{array}$ | 173, 175 | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | 205,207 | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | 237, 239 | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 216 | 40 | 2,4, 6 | 18, 20 | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | 50,52 | $\begin{aligned} & \hline 66,68, \\ & 70 \end{aligned}$ | 82, 84 | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | 114, 116 | 141, 143 | $\begin{array}{r} \hline 155,157 \\ 159 \end{array}$ | 173, 175 | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | 205, 207 | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | 237, 239 | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |

[^6]General Competition Regulations

## Table 7 (continued)

| 217 | 39 | 2, 4, 6 | 18, 20 | $\begin{aligned} & 34,36, \\ & 38 \\ & \hline \end{aligned}$ | 50,52 | $\begin{aligned} & \hline 66,68, \\ & 70 \end{aligned}$ | 82, 84 | $\begin{aligned} & \hline 98,100, \\ & 102 \end{aligned}$ | 114, 116 | 141, 143 | 157, 159 | 173, 175 | $\begin{array}{r} \hline 187,189, \\ 191 \\ \hline \end{array}$ | 205, 207 | $\begin{array}{r} \hline 219,221, \\ 223 \\ \hline \end{array}$ | 237, 239 | $\begin{array}{r} \hline 251,253, \\ 255 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 218 | 38 | 2, 4, 6 | 18, 20 | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | 50,52 | $\begin{array}{\|l\|} \hline 66,68, \\ 70 \\ \hline \end{array}$ | 82, 84 | 98, 100 | 114, 116 | 141, 143 | 157, 159 | 173, 175 | $\begin{array}{r} \hline 187,189, \\ 191 \end{array}$ | 205, 207 | $\begin{array}{r} \hline 219,221, \\ 223 \end{array}$ | 237, 239 | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 219 | 37 | 2,4,6 | 18, 20 | $\begin{aligned} & 34,36, \\ & 38 \end{aligned}$ | 50,52 | $\begin{array}{\|l\|} \hline 66,68, \\ 70 \end{array}$ | 82, 84 | 98, 100 | 114, 116 | 141, 143 | 157, 159 | 173, 175 | $\begin{array}{r} \hline 187,189 \\ 191 \end{array}$ | 205, 207 | 221, 223 | 237, 239 | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 220 | 36 | 2, 4, 6 | 18, 20 | 34,36 | 50,52 | $\begin{array}{\|l\|} \hline 66,68, \\ 70 \\ \hline \end{array}$ | 82, 84 | 98, 100 | 114, 116 | 141, 143 | 157, 159 | 173, 175 | $\begin{array}{r} \hline 187,189 \\ 191 \end{array}$ | 205, 207 | 221, 223 | 237, 239 | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 221 | 35 | 2,4,6 | 18, 20 | 34, 36 | 50,52 | $\begin{array}{l\|} \hline 66,68, \\ 70 \end{array}$ | 82, 84 | 98, 100 | 114, 116 | 141, 143 | 157, 159 | 173, 175 | 189, 191 | 205, 207 | 221, 223 | 237, 239 | $\begin{array}{r} \hline 251,253, \\ 255 \end{array}$ |
| 222 | 34 | 2, 4, 6 | 18, 20 | 34, 36 | 50,52 | 66,68 | 82, 84 | 98, 100 | 114, 116 | 141, 143 | 157, 159 | 173, 175 | 189, 191 | 205, 207 | 221, 223 | 237, 239 | $\begin{array}{r} \hline 251,253, \\ 255 \\ \hline \end{array}$ |
| 223 | 33 | 2, 4, 6 | 18, 20 | 34,36 | 50,52 | 66,68 | 82, 84 | 98, 100 | 114, 116 | 141, 143 | 157, 159 | 173, 175 | 189, 191 | 205, 207 | 221, 223 | 237, 239 | 253, 255 |
| 224 | 32 | 2,4 | 18,20 | 34,36 | 50,52 | 66,68 | 82, 84 | 98,100 | 114, 116 | 141, 143 | 157, 159 | 173, 175 | 189, 191 | 205, 207 | 221, 223 | 237, 239 | 253, 255 |
| 225 | 31 | 2,4 | 18,20 | 34,36 | 50,52 | 66,68 | 82, 84 | 98,100 | 114, 116 | 143 | 157, 159 | 173, 175 | 189, 191 | 205, 207 | 221, 223 | 237, 239 | 253, 255 |
| 226 | 30 | 2, 4 | 18,20 | 34,36 | 50,52 | 66,68 | 82, 84 | 98,100 | 114 | 143 | 157, 159 | 173, 175 | 189, 191 | 205, 207 | 221, 223 | 237, 239 | 253, 255 |
| 227 | 29 | 2, 4 | 18,20 | 34, 36 | 50,52 | 66,68 | 82, 84 | 98,100 | 114 | 143 | 157, 159 | 173, 175 | 189, 191 | 207 | 221, 223 | 237, 239 | 253, 255 |
| 228 | 28 | 2, 4 | 18,20 | 34,36 | 50 | 66,68 | 82, 84 | 98, 100 | 114 | 143 | 157, 159 | 173, 175 | 189, 191 | 207 | 221, 223 | 237, 239 | 253, 255 |
| 229 | 27 | 2,4 | 18,20 | 34,36 | 50 | 66,68 | 82, 84 | 98, 100 | 114 | 143 | 157, 159 | 175 | 189, 191 | 207 | 221, 223 | 237, 239 | 253, 255 |
| 230 | 26 | 2, 4 | 18,20 | 34,36 | 50 | 66,68 | 82 | 98, 100 | 114 | 143 | 157, 159 | 175 | 189, 191 | 207 | 221, 223 | 237, 239 | 253, 255 |
| 231 | 25 | 2, 4 | 18,20 | 34,36 | 50 | 66,68 | 82 | 98,100 | 114 | 143 | 157, 159 | 175 | 189, 191 | 207 | 221, 223 | 239 | 253, 255 |
| 232 | 24 | 2,4 | 18 | 34,36 | 50 | 66,68 | 82 | 98,100 | 114 | 143 | 157, 159 | 175 | 189, 191 | 207 | 221,223 | 239 | 253, 255 |

Table 7 (continued)

| 233 | 23 | 2,4 | 18 | 34,36 | 50 | 66,68 | 82 | 98,100 | 114 | 143 | 159 | 175 | 189, 191 | 207 | 221, 223 | 239 | 253, 255 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 234 | 22 | 2, 4 | 18 | 34, 36 | 50 | 66,68 | 82 | 98 | 114 | 143 | 159 | 175 | 189, 191 | 207 | 221, 223 | 239 | 253, 255 |
| 235 | 21 | 2, 4 | 18 | 34, 36 | 50 | 66,68 | 82 | 98 | 114 | 143 | 159 | 175 | 189, 191 | 207 | 223 | 239 | 253, 255 |
| 236 | 20 | 2, 4 | 18 | 34 | 50 | 66,68 | 82 | 98 | 114 | 143 | 159 | 175 | 189, 191 | 207 | 223 | 239 | 253, 255 |
| 237 | 19 | 2,4 | 18 | 34 | 50 | 66,68 | 82 | 98 | 114 | 143 | 159 | 175 | 191 | 207 | 223 | 239 | 253, 255 |
| 238 | 18 | 2, 4 | 18 | 34 | 50 | 66 | 82 | 98 | 114 | 143 | 159 | 175 | 191 | 207 | 223 | 239 | 253, 255 |
| 239 | 17 | 2, 4 | 18 | 34 | 50 | 66 | 82 | 98 | 114 | 143 | 159 | 175 | 191 | 207 | 223 | 239 | 255 |
| 240 | 16 | 2 | 18 | 34 | 50 | 66 | 82 | 98 | 114 | 143 | 159 | 175 | 191 | 207 | 223 | 239 | 255 |
| 241 | 15 | 2 | 18 | 34 | 50 | 66 | 82 | 98 | 114 |  | 159 | 175 | 191 | 207 | 223 | 239 | 255 |
| 242 | 14 | 2 | 18 | 34 | 50 | 66 | 82 | 98 |  |  | 159 | 175 | 191 | 207 | 223 | 239 | 255 |
| 243 | 13 | 2 | 18 | 34 | 50 | 66 | 82 | 98 |  |  | 159 | 175 | 191 |  | 223 | 239 | 255 |
| 244 | 12 | 2 | 18 | 34 |  | 66 | 82 | 98 |  |  | 159 | 175 | 191 |  | 223 | 239 | 255 |
| 245 | 11 | 2 | 18 | 34 |  | 66 | 82 | 98 |  |  | 159 |  | 191 |  | 223 | 239 | 255 |
| 246 | 10 | 2 | 18 | 34 |  | 66 |  | 98 |  |  | 159 |  | 191 |  | 223 | 239 | 255 |
| 247 | 9 | 2 | 18 | 34 |  | 66 |  | 98 |  |  | 159 |  | 191 |  | 223 |  | 255 |
| 248 | 8 | 2 |  | 34 |  | 66 |  | 98 |  |  | 159 |  | 191 |  | 223 |  | 255 |
| 249 | 7 | 2 |  | 34 |  | 66 |  | 98 |  |  |  |  | 191 |  | 223 |  | 255 |
| 250 | 6 | 2 |  | 34 |  | 66 |  |  |  |  |  |  | 191 |  | 223 |  | 255 |
| 251 | 5 | 2 |  | 34 |  | 66 |  |  |  |  |  |  | 191 |  |  |  | 255 |
| 252 | 4 | 2 |  |  |  | 66 |  |  |  |  |  |  | 191 |  |  |  | 255 |
| 253 | 3 | 2 |  |  |  | 66 |  |  |  |  |  |  |  |  |  |  | 255 |
| 254 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 255 |
| 255 | 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 256 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

12.8 The other seeds shall be dealt with having regard to the requirements of Regulation 12.9
12.8.1 Numbers 3 and 4 drawn by lot to the remaining two quarters of the draw.
12.8.2 Numbers 5 to 8 drawn by lot to the remaining eighths of the draw.
12.8.3 Numbers 9 to 16 drawn by lot to the remaining sixteenths of the draw.

### 12.9 Separation of Entries

12.9.1 the first and second ranked entries in either the final seeding report and/or the final M\&Q report from any one Member Association shall be drawn by lot in opposite halves of the draw;
12.9.2 the ranking of entries from a Member Association can be amended by the seeding. If this is done a new ranking order is implicitly established and should be used for the purposes of Regulation 12.10.
12.9.3 wherever possible, entries from any one Member Association shall not meet in the first round.

Note: this method of player separation, where it is desired, is recommended for all tournaments conducted at any level of competition.
12.10 For the purposes of Regulation 12.9, a qualifying entry or a pair from two different Member Associations shall be regarded as not coming from any particular Member Association.
12.11 The places allocated for any qualifying players / pairs in the main draw shall be drawn by lot, shall not be placed, and shall not be artificially separated. The main draw shall be made and published before play begins in the qualifying rounds.
12.12 Where drawing by lot is done under Regulation 12.11, entry separation (as in Regulation 12.9) shall be ignored.
12.13 Where drawing by lot is done under Regulation 12.12, entry separation (as in Regulation 12.10) shall not apply.
12.14 After taking entries into the main draw based on the World Ranking and Adjusted and Notional Rankings (GCR 12.5), on a reference date as specified in Appendix 8 (refer to Part III, Section 1A, Appendix 8) and there are vacancies in the draw to be filled by entries without a World Ranking or Adjusted and Notional Rankings (GCR 12.5), they shall be drawn by Nationality of such entries and then the entry with the highest National ranking from that country shall be picked up to fill the vacancy.

## 13. QUALIFYING

## Principle of qualifying

13.1 Where entries exceed the required places in the main competition draw, the organisers are recommended to play qualifying rounds under the supervision of the Referee, as provided for in Regulations 13.2 to 13.8 .

## Determination of main or qualifying draw for entries received

13.2 The World Ranking shall be used to determine the players / pairs whose entries can be accepted in the main draw, with the principles of Regulations 12.6.1 and 12.6.2 used to modify the World Ranking regardless of whether or not a pair has competed during the ranking period.
13.2.1 For the purpose of creating the M\&Q list players who have participated in only one World Ranking tournament will be ranked in the M\&Q list according to the points achieved in those tournaments (refer to Regulation 13.2).
13.2.2 If there are more players / pairs that have the same rank than the available places in the qualifying draw, the selection of entries shall be done by drawing lots (refer to Regulation 12.14).
13.2.3 For the purpose of creating the $M \& Q$ list of players for Junior International tournaments, the BWF World Junior Ranking will be used.
13.2.3.1 For men's doubles, women's doubles, and mixed doubles, the respective individual doubles rankings will be used to calculate a priority order of pairs as follows:
13.2.3.1.1 First priority are pairs where both players have an existing doubles ranking in their respective event. If a tie in the combined ranking points of two or more pairs, priority is given to the pair with the lowest combined ranking number total (e.g. if player X and Y are player together, and player X is ranked \#1 and player Y is ranked \#10, the team ranking total is 11 . This pair would be given priority over the pair made up of player W at \#3 and player Z at \#10 whose combined ranking total is 13). If still tied, the pair who has played the most number of tournaments in total is given priority.
13.2.3.1.2 Second priority is given to a pair made up of only one player with an existing ranking in their respective event (i.e. the other player does not have a ranking). The highest ranking of the ranked player is given priority (e.g. \#1 ranking is higher than \#2).

## Qualifying draw

13.3 The players or pairs not directly in the main competition shall play for a limited number of places and there shall be one place for each eight places in the main draw.
13.4 In level 4 tournaments, the players or pairs not directly in the main competition shall play for a limited number of places and there shall be one place for each four places in the main draw.
13.5 The draw for the qualifying competition shall be done in accordance with Regulations 12.
13.6 Any seeding in the qualifying draw shall be done in accordance with Regulations 12.
13.7 It is recommended that as far as is practicable, entry separation (as in Regulation 12.10) should be used in each qualifying draw.
13.8 Excess entries in the qualifying
13.8.1 If more players / pairs enter than the organisers can accept even in the qualifying competition, the World Ranking (as modified using the principles explained in Regulations 12.4 and 12.5) shall be used to determine the players / pairs whose entries can be accepted into the qualifying draw, and which entries are to fill any subsequent vacancies that may arise.
13.8.2 For the purpose of creating the $M \& Q$ list, players who have participated in at least one World Ranking tournament will be ranked in the M\&Q list according to the points achieved in those tournaments (refer to regulation 13.2).
13.8.3 If there are more players / pairs that have the same rank than the available places in the qualifying draw, the selection of entries shall be done by drawing lots (refer to regulation 12.14).
13.8.4 After taking entries into the qualifying draw based on the World Ranking and Adjusted and Notional Rankings (GCR 12.5), as specified in Appendix 8 (refer to Part III, Section 1A, Appendix 8) and there are vacancies in the draw to be filled by entries without a World Ranking or Adjusted and Notional Rankings (GCR 12.6), they shall first be drawn
by nationality of such entries and then the entry with the highest national ranking from that country shall be picked up to fill the vacancy.

## 14. WITHDRAWALS AND PROMOTIONS

14.1 Where players or pairs withdraw their entry from the main competition, the Referee may fill the vacancies from the entries in the qualifying rounds, provided these entries have not yet lost a match, even stopping a match in progress if required.
14.2 If a vacancy arises in the main draw, the highest-ranked entry not accepted in the main draw (as described in Regulation 13.2 .1 and 13.2.2) and which has not yet lost a match in the qualifying draw can be placed in the vacancy. If a vacancy arises in the qualifying draw, the highest-ranked entry not accepted in the qualifying draw (as described in Regulation 13.8) can be placed in the vacancy. Where more than one vacancy arises, the relevant places shall be filled by drawing lots.
14.3 The withdrawals reported until the draw is made shall be considered while preparing the draw by amending the list of participants of the main and the qualifying draw as well as of any waiting list.
14.4 The withdrawals reported during the period from the draw until the team managers' meeting shall be dealt with in the managers' meeting according to Regulation 14.2. The organizers shall inform the next eligible players about their inclusion in the main / qualifying draw.
14.5 The withdrawals reported after the managers' meeting shall be dealt with by the Referee as and when they arise (as in Regulation 14.2).
14.6 Where vacancies are filled in under Regulation 14.2, entry separation (as in Regulation 12.10) shall be ignored.
14.7 The Referee may re-draw a particular qualifying draw if it has been rendered severely imbalanced and if play in that draw has not begun.

## 15. ALTERATIONS and SUBSTITUTIONS IN THE DRAW

15.1 In Level 1 to 4 tournaments except tournaments with nationally restricted entries, no alterations or substitutions are permitted to the draw after the draw has been made of except under corrections as in Regulation 15.3.1 or promotions as in Regulation 14.2. In tournaments with nationally restricted entries (i.e. Eye Level Cups), substitution under 15.3 to 15.5 shall be permitted being the tournament with nationally restricted entries.
15.2 In other tournaments, no changes whatsoever may be made to the draw except as provided in Regulations 15.3 to 15.5 , in particular, no player (singles) may be moved from one draw position to another, and no pair (in doubles) may be moved from one draw position to another except in the situation described in Regulation 15.5.2.
15.3 The Referee shall only permit an alteration to the draw if either Regulation 15.3.1 is met, or both Regulations 15.3.2 and 15.3.3 are met:
15.3.1 play in that draw has not begun, and an error has been made in accordance with control of entries (Regulation 5.4) or making the draw (Regulation 12);
15.3.2 prior to the player's first scheduled match in any event, a player is prevented from competing through illness, injury, or other unavoidable hindrance;
15.3.3 the substitute player / pair would have been either unseeded, or seeded in no higher a seeding group than the seeding group of the original player / pair. The seeding groups are (in order) 1 and 2,3 and 4,5 to 8 , and 9 to 16 .
15.3.4 In exceptional circumstances, the Referee may redraw a particular main draw that has been rendered severely imbalanced, provided there is no qualifying and play in that draw has not begun.
15.4 Subject to Regulation 15.3, substitution in singles is only permitted in tournaments with nationally restricted entries until the draw is made (e.g. Continental Championships and Eye Level Cups).
15.5 Subject to Regulation 15.3, substitution in doubles is only permitted:
15.5.1 to enable the remaining player to have a substitute partner from any Member Association, provided the constitution of no other pair is affected;
15.5.2 to enable the remaining players from two original pairs affected by Regulation 15.3 .2 to partner each other.

In this situation, if one of the original pairs has drawn a bye, that place in the draw shall be filled by the new pair; otherwise the place to be filled shall be drawn by lot;
15.5.3 to have a substitute pair in tournaments with nationally restricted entry, is only permitted until the draw is made (e.g. Continental Championships and Eye Level Cups).
15.6 Promotions under Regulation 14 take priority over substitutions except under Regulations 15.4 and 15.5.
15.7 A player (singles), a player as part of a pair (doubles), or a pair losing a match shall not play again in the same event in the same tournament.
15.8 In tournaments played under the pool system or in groups, the Referee may allow the substitution of a player / pair if the original player / pair is prevented from playing through illness, injury or other unavoidable hindrance (refer to Regulations 15.3 to 15.6 ). Such substitution can only take place until the first match of that player / pair has started but, once started, no substitution can take place.
15.9 If a player or pair (not reported as withdrawn) fails to turn up in time for a match, the Referee may declare a 'no show' and award the match as a walk over to the opposing player or pair.

## 16. RANKING IN TOURNAMENTS PLAYED UNDER THE POOL SYSTEM OR IN GROUPS

16.1 The ranking in tournaments played under the pool system or in groups shall be determined in accordance with the Regulations 16.2 to 16.3.
16.2 In case of Individual Championships:
16.2.1 Ranking in individual championships will be established by the number of matches won.
16.2.2 If two players / pairs have won the same number of matches, the winner of the match between them will be ranked higher.
16.2.3 If three or more players / pairs have won the same number of matches, ranking will be established by the difference between total games won and total games lost, with greater difference ranked higher.
16.2.3.1 If this still leaves two players / pairs equal, the winner of the match between them will be ranked higher.
16.2.4 If three or more players / pairs have won the same number of matches and are equal in the difference between total games won and total games lost, ranking will be established by the difference between total points won and total points lost, with greater difference ranked higher.
16.2.4.1 If this still leaves two players / pairs equal, the winner of the match between them will be ranked higher.
16.2.4.2 If three or more players / pairs are still equal, then ranking will be established by drawing lots.
16.2.5 If illness, injury, disqualification or other unavoidable hindrance prevents a player / pair completing all the pool matches, all the results of that player / pair shall be deleted. Retiring during a match shall be considered to be not completing all pool matches.
16.2.6 A player / pair is entitled to prizes according to results actually obtained before any withdrawal due to injury.
16.3 In case of team championships:
16.3.1 Ranking will be established by the number of ties won.
16.3.2 If two teams have won the same number of ties, the winner of the tie between them will be ranked higher.
16.3.3 If three or more teams have won the same number of ties, ranking will be established by the difference between total ties won and total ties lost, with greater difference ranked higher.
16.3.3.1 If this still leaves two teams equal, the winner of the tie between them will be ranked higher.
16.3.4 If three or more teams have won the same number of ties and are equal in the difference between total ties won and total ties lost, ranking will be established by the difference between total matches won and total matches lost, with greater difference ranked higher.
16.3.4. If this still leaves two teams equal, the winner of the ties between them will be ranked higher.
16.3.5 If three or more teams have won the same number of ties and are equal in the difference between total ties won and total ties lost and are also equal in the difference between total matches won and total matches lost, ranking will be established by the difference between total games won and total games lost, with greater difference ranked higher.
16.3.5.1 If this still leaves two teams equal, the winner of the tie between them will be ranked higher.
16.3.6 If three or more teams have won the same number of ties and are equal in the difference between total ties won and total ties lost and are equal in the difference between total matches won and total matches lost and are equal in the difference between total games won and total games lost, ranking will be established by the difference between total points won and total points lost, with greater difference ranked higher.
16.3.6.1 If this still leaves two teams equal, the winner of the tie between them will be ranked higher.
16.3.6.2 If three or more teams are still equal, then ranking will be established by drawing lots.
16.3.7 A team is entitled to prizes according to results actually obtained before any withdrawal or disqualification.
16.3.8 If a team is unable to complete all their pool ties, all the results of that team shall be deleted.
16.3.9 If a team is unable to complete a match in a tie (e.g. retiring or conceding a match due to illness, injury or other unavoidable hindrance), the result of that match shall count as if completed without the conceding side scoring another point.
16.4 The following Order of plays are recommended in matches played in a pool system:

| Group of 3 | Group of 4 | Group of 5 | Group of 6 |
| :---: | :---: | :---: | :---: |
| 1 v 3 | 1 v | 1 v | 1 v 6 |
|  | 2 v | 2 v | 2 v 4 |


| 2 v 3 |  |  | 3 v 5 |
| :---: | :---: | :---: | :---: |
|  | 1 v 3 | 3 v 5 |  |
| $1 \times 2$ | 2 v 4 | 1 v 4 | 1 v 4 |
|  |  |  | 2 v 5 |
|  | 3 v 4 | 2 v 5 | 3 v 6 |
|  | 1 v 2 | 1 v 3 |  |
|  |  |  | 1 v 3 |
|  |  | 4 v 5 | 2 v 6 |
|  |  | 2 v 3 | 4 v 5 |
|  |  |  |  |
|  |  | 3 v 4 | 1 v 5 |
|  |  | 1 v 2 | 2 v 3 |
|  |  |  | 4 v 6 |
|  |  |  |  |
|  |  |  | 5 v 6 |
|  |  |  | 3 v 4 |
|  |  |  | 1 v 2 |

16.5 Where there are players from the same Member Association in the same group the match or matches between them must be completed first irrespective of their rankings in the group.

## 17. ADVERTISING IN THE PLAYING AREA

17.1 The only allowable display of advertising in words or pictures anywhere within the two-metre clear space surrounding the court (see Part III - Section 1A, Appendix 2, page 1) or over the court itself must satisfy Regulations 17.2 to 17.10 .
17.2 Any form of advertising in the playing area must not distract players, spectators or TV viewers, or cause any confusion with the court lines.

## The Court

17.3 A maximum of two identical emblems of the court supplier can be situated flush with the court surface such that there is at most one outside each baseline 30 centimetres or more away. Each emblem can be 170 centimetres or less by 30 centimetres or less.
17.4 A maximum of two identical emblems of a tournament sponsor can be situated flush with the court surface such that there is at most one outside each sideline or each baseline 30 centimetres or more away. Each emblem can be 170 centimetres or less by 30 centimetres or less.
17.5 Two emblems of a tournament sponsor can be situated flush with the court surface in the area under the net equidistant from each of the two short service lines and from each of the side lines for singles. Each emblem can be 250 centimetres or less by 100 centimetres or less.
17.6 There is no restriction on the shape of the advertisement(s). No 3D advertising can be made on the surface of the court. However, non-slip materials with similar properties to the rest of the playing surface must be used to apply / display advertisements.

## The Net

17.7 A single advertisement can be situated on the net at least 100 centimetres from either end of the net and at least 12.5 centimetres from both the net tape and the bottom of the net. The advertisement must be applied by paint or dye and no solid advertisement will be permitted.
17.8 A maximum of two net supplier's emblems can appear on the net. If present, they should be placed such that there is one on each end of the net on opposite sides of the court. Each emblem must be placed on the white tape at a distance of four centimetres from the post and can be 3.5 centimetres high or less and 10 centimetres broad or less.

## The Posts

17.9 Each post pole can have a maximum of two identical emblems. Each emblem must face an end of the court, be flush with the surface of the post and be 30 centimetres high or less, and three
centimetres broad or less. Each base of the post can have a maximum of three identical emblems. These must be flush with the surface of the post and be 30 centimetres high or less and three centimetres broad or less.

## Umpire's and service judge's chair

17.10 The umpire's and service judge's chairs are always permitted to have advertising. Rackets and players' clothing are permitted to have advertising in accordance with Regulations 19 to 23.

## 18. VIRTUAL IMAGING OR ADVERTISING

Use of any virtual imaging or advertising on the TV signal at BWF-sanctioned tournaments is not permitted without prior written approval of the BWF except where rights are granted to Continental Confederations or other promoting organisations

## 19. CLOTHING (General)

19.1 For the purpose of these Regulations, an article of clothing shall be defined as anything worn or carried by a player during play, except the racket, and including, but not limited to, pullovers, shirts, shorts, skirts, socks, shoes, headbands (including headscarves and turbans), towels, wristbands, bandages and medical supports.
19.2 In order to ensure attractive presentation of Badminton at tournaments organised or sanctioned by the BWF, all clothing worn by players shall be acceptable Badminton sports clothing. It is not acceptable to tape over nor to pin on advertising nor in any other way to modify such clothing to comply with advertising or other regulations.
19.3 Regulations regarding advertising apply only to clothing worn during play.
19.4 The exact regulations regarding advertising must be clearly indicated on the tournament prospectus or entry form and advised to entrants in all associated communications.
19.5 In applying Regulations 19 to 23 the decision of the Referee at each tournament shall be final.

## 20. COLOUR OF PLAYERS' CLOTHING

20.1 In all sanctioned tournaments, including those organised by the BWF itself and multi-sport games, each article of clothing may be of any colour or combination of colours.

### 20.2 Team Competitions

In all BWF team championships (i.e. Thomas Cup, Uber Cup, Sudirman Cup, Suhandinata Cup) players must wear team colours. That is, each player must wear the same colour and design of shirts and shorts (or equivalent articles of clothing) throughout a tie.
20.3 Singles matches

Each player must wear, as far as colour and design is concerned, shirts and shorts (or equivalent articles of clothing) throughout a match in accordance with Regulations 20.3.1 to 20.3.10, and no change of colours is allowed.
20.3.1 In International tournaments, the colour of clothing is optional.
20.3.2 In Continental Circuit tournaments, the colour of clothing is optional or dependent on the Continental Confederation's regulations.
20.3.3 In World Senior Championships the colour of clothing is optional.
20.3.4 In Superseries tournaments, it is mandatory that, in the main draw the opposing players in each match wear significantly different colours from each other.
20.3.5 In Grand Prix tournaments, it is mandatory that, from quarter final onwards, the opposing players in each match wear significantly different colours from each other
20.3.6 In World Championships, it is mandatory that, the opposing players in each match wear significantly different colours from each other.
20.3.7 In Suhandinata Cup and Eye-Level Cups (World Junior Championships Individual/Team Championships) it is mandatory that, the opposing players in each match wear significantly different colours from each other.
20.3.8 In Thomas \& Uber Cups continental stage, it is recommended that the opposing players in each match wear significantly different colours from each other. In Thomas \& Uber Cups final stage, it is mandatory that the opposing players in each match wear different colours from each other.
20.3.9 In Sudirman Cup, it is mandatory that the opposing players in each match wear significantly different colours from each other.
20.3.10 In Olympic Games, it is mandatory for the opposing players in each match wear significantly different colours from each other. Preferred colours of shirts need to be registered before the Games.

## Doubles matches

Each player in a given pair must wear shirts and shorts (or equivalent articles of clothing) of the same colour and similar design throughout a match in accordance with Regulations 20.4.1 to 20.4.10. No change of colours is allowed.
20.4.1 In International tournaments, the colour of clothing is optional.
20.4.2 In Continental Circuit tournaments the colour of clothing is optional or dependent on the Continental Confederation's regulations.
20.4.3 In World Senior Championships, the colour of clothing is optional.
20.4.4 In Superseries tournaments, it is mandatory that, in the main draw onwards, the opposing pairs in each match wear significantly different colours from each other.
20.4.5 In Grand Prix tournaments, it is mandatory that, from the quarter finals onwards, the opposing players in each match wear significantly different colours from each other.
20.4.6 In World Championships, it is mandatory that the opposing pairs in each match wear significantly different colours from each other.
20.4.7 In Suhandinata Cup and Eye-Level Cups (World Junior Championships Individual/Team Championships) it is mandatory that the opposing players in each match wear significantly different colours from each other.
20.4.8 In Thomas \& Uber Cups continental stage, it is recommended that the opposing pairs in each match wear significantly different colours from each other. In Thomas \& Uber Cups final stage, it is mandatory that the opposing pairs in each match wear significantly different colours from each other.
20.4.9 In Sudirman Cup, it is mandatory that the opposing pairs in each match wear significantly different colours from each other.
20.4.10 In Olympic Games, it is mandatory for the opposing players in each match wear significantly different colours from each other. Preferred colours of shirts need to be registered before the Games.
20.4.11 In BWF level 1 and 2 tournaments, it is mandatory for doubles partners to wear the same colour from the start of the main draw onwards. In BWF level 1 and 2 tournaments it is mandatory from the main draw onwards, the opposing pairs in each match wear significantly different colours from each other.

In BWF level 3 tournaments it is mandatory for doubles partners to wear the same colour from the quarter finals onwards. In BWF level 3 tournaments it is mandatory from the quarter finals onwards, the opposing pairs in each match wear significantly different colours from each other.
20.5 For all team championships, preferred colours of shirts should be registered with the BWF.
20.6 In individual and team championships if the opposing players/pairs involved in a match are not wearing significantly different coloured clothing, the player/pair ranked lower will be required to wear clothing of a significantly different colour. Where both players/pairs have the same or no ranking the player or pair listed lower in the first M\&Q report made for the tournament will be required to change the colour of clothing.

## 21. DESIGNS ON PLAYERS' CLOTHING

21.1 In all sanctioned tournaments, including those organised by the BWF itself and Multi-sport games, each article of clothing may only bear a design as provided in Regulations 21.2 to 21.4.
21.2 Designs should be abstract and devoid of advertising, representational, commercial or promotional content. Figurative and pictorial representations may be included as part of an overall abstract design. BWF are the sole arbiters of what constitutes an abstract design.
21.3 The front of the shirt may carry the flag along with the country name or abbreviation thereof or national emblem of the association represented not exceeding 20 square centimeters in total. The country name on its own and / or along with sponsor's name or logo shall not be permitted.
21.4 A design is allowed when it forms part of an advert permitted by Regulation 23 and falls wholly within the permitted dimensions.

## 22. LETTERING ON PLAYERS' CLOTHING

22.1 In all sanctioned tournaments, including those organised by the BWF itself, and Multi-sport games, each article of clothing may only have visible lettering as provided in Regulations 22.2 to 22.5 .
22.2 Colour, style and height of lettering
22.2.1 Lettering shall be in capital letters in the Roman alphabet (except as in Regulation 22.5.2), and in one single colour contrasting with that of the shirt.
22.2.2 If there is a pattern on the back of the shirt, the lettering should be on a contrasting panel.
22.2.3 In order that the player's name be legible from a distance for spectators in the stadium and television viewers, lettering must be a minimum height of six centimetres and a maximum height of 10 centimetres.
22.2.4 The country name must be a height of five centimetres.
22.2.5 Lettering should be horizontal, or as close to horizontal as practically possible, and placed near the top of the shirt.
22.3 Player names

Any name of a player on the back of the shirt must be in accordance with Regulations 22.3.1 to 22.3.10, and shall meet all requirements of Regulation 22. If used, the player's name shall include the family name (or an abbreviation thereof) and, if desired, the initials of the given name(s) or nickname and shall correspond with the name on the entry.
22.3.1 In International tournaments, the name of the player on the back of the shirt is optional.
22.3.2 In Continental Circuit tournaments the name of the player on the back of the shirt is mandatory in Individual tournaments and optional or dependent on the Continental Confederation's regulations in Team Championships.
22.3.3 In Superseries and Grand Prix tournaments, the name of the player on the back of the shirt is mandatory.
22.3.4 In World Championships, the name of the player on the back of the shirt is mandatory.
22.3.5 In Eye Level Cups, the name of the player on the back of the shirt is mandatory.
22.3.6 In Thomas \& Uber Cup continental stage, the name of the player on the back of the shirt is optional, unless otherwise required by the respective Continental Confederation. In Thomas \& Uber Cups final stage, the name of the player on the back of the shirt is mandatory.
22.3.7 In Sudirman Cup, the name of the player on the back of the shirt is mandatory for Division 1 and optional for the other divisions.
22.3.8 In Suhandinata Cup, the name of the player on the back of the shirt is mandatory.
22.3.9 In Olympic Games, the name of the player on the back of the shirt is mandatory. Players' names need to be registered to ensure consistency with the names on scoreboards.
22.3.10 In World Senior Championships the name of the player on the back of shirt is recommended.
22.4 Country Name

The name of the player's country may appear on the back of the shirt and must be in accordance with Regulations 22.4.1 to 22.4 .10 but, if used, shall meet all requirements of Regulation 22. The country name, if used, shall be either full country name in English or Olympic approved abbreviation.
22.4.1 In International tournaments, the name of the player's country on the back of the shirt is optional.
22.4.2 In Continental Circuit tournaments, the name of the player's country on the back of the shirt is mandatory in Team Championships and optional or dependent on the Continental Confederation's regulations in the Individual tournaments.
22.4.3 In Superseries and Grand Prix tournaments, the name of the player's country on the back of the shirt is optional.
22.4.4 In World Championships, the name of the player's country on the back of the shirt is optional.
22.4.5 In Eye Level Cups, the name of the player's country on the back of the shirt is optional.
22.4.6 In Thomas \& Uber Cups continental stage and Thomas \& Uber Cups final stage, the name of the player's country on the back of the shirt is mandatory.
22.4.7 In Sudirman Cup, the name of the player's country on the back of the shirt is mandatory for all divisions.
22.4.8 In Suhandinata Cup, the name of the player's country on the back of the shirt is optional but mandatory from the quarter finals onwards.
22.4.9 In Olympic Games, the name of the player's NOC on the back of the shirt is mandatory.
22.4.10 In World Senior Championships the name of the player on the back of shirt is optional.

### 22.5 Lettering sequence and use in advertisements

22.5.1 The sequence on the shirt from top to bottom shall be player name (if present), country name (if present), and advert (if present).
22.5.2 Lettering is also allowed when it forms part of an advert permitted by Regulation 23, and falls wholly within the permitted dimensions. Such lettering can then be in any alphabet.

The following table summarises the requirements of Regulations 20 and 22.

## Summary of General Competition Regulations 20 and 22: Colour of clothing and names

| Tournament | Colour and design of players' shirts, skirts and shorts in singles matches | Colour and design of pairs' shirts, skirts and shorts in doubles matches |  | Player name on back of shirt | Country name on back of shirt |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | The opposing players to wear significantly different colours from each other | The doubles partners to wear the same colour | The opposing players to wear significantly different colours from each other |  |  |
| International tournaments | Optional | Optional | Optional | Optional | Optional |
| Continental Circuit tournaments | Optional or dependent on Continental Confederation regulations | Optional or dependent on Continental Confederation regulations | Optional or dependent on Continental Confederation regulations | Optional or dependent on <br> Continental Confederation <br> regulations - in Team <br> Championships <br> Mandatory - in Individual <br> tournaments | Optional or dependent on Continental Confederation regulations - in Individual tournaments Mandatory- in Team Championships |
| World Senior Championships | Optional | Optional | Optional | Recommended | Optional |
| Superseries | Mandatory - in the main draw | Mandatory - in the main draw | Mandatory - in the main draw | Mandatory | Optional |
| Grand Prix tournaments | Mandatory - From $1 / 4$ finals onwards | Mandatory - From $1 / 4$ finals onwards | Mandatory - From $1 / 4$ finals onwards | Mandatory | Optional |
| World Championships | Mandatory | Mandatory | Mandatory | Mandatory | Optional |
| Eye-Level Cups (Individual) | Mandatory | Mandatory | Mandatory | Mandatory | Optional |
| Thomas \& Uber Cups | Recommended - in continental stage and Mandatory - in final stage <br> Each player of the Team must wear the same colour and design. | Recommended - in continental stage and Mandatory - in final stage. <br> Each player of the Team must wear the same colour and design. | Recommended - in continental stage and Mandatory - in final stage. <br> Each player of the Team must wear the same colour and design. | Optional or dependent on Continental Confederation regulations - in continental stage <br> Mandatory - in final stage | Mandatory |
| Sudirman Cup | Mandatory <br> Each player of the Team must wear the same colour and design. | Mandatory <br> Each player of the Team must wear the same colour and design. | Mandatory <br> Each player of the Team must wear the same colour and design. | Mandatory - for Division 1, Optional - for other divisions | Mandatory |
| Suhandinata Cup (Team) | Mandatory Each player of the Team must wear the same colour and design. | Mandatory Each player of the Team must wear the same colour and design. | Mandatory Each player of the Team must wear the same colour and design. | Mandatory | Mandatory |
| Olympic Games | Mandatory <br> Preferred colour of shirts to be pre-registered. | Mandatory <br> Preferred colour of shirts to be pre-registered. | Mandatory <br> Preferred colour of shirts to be pre-registered. | Mandatory <br> Names should be registered for consistency with scoreboards | NOC name mandatory |

## 23. ADVERTISING ON PLAYERS' CLOTHING

23.1 In all sanctioned tournaments, including those organised by the BWF, articles of clothing may only have advertising as provided in Regulations 23.2 to 23.5. In Multi-sport games the same regulation applies unless the Multi-sport games organiser (e.g. IOC/Olympic Games) have specific variations to these regulations, in which case the regulations of the Multi-sport games organiser apply.
23.2 The shirt may carry advertising as in Regulations 23.2.1 to 23.2.3.
23.2.1 A maximum of one advertisement may appear on each of the following locations; left sleeve, right sleeve, left shoulder, right shoulder, left collar, right collar, right chest, left chest and centre chest. The shoulder is defined as the visible part of the shoulder on the front of the shirt. There must be no more than five advertisements in total and National flags or emblems for the purpose of this regulation count as advertisements. Each advertisement, including National flags or emblems, must be 20 square centimetres or less.
23.2.2 In addition to the above, one BWF mark may be worn in the form of a non-commercial emblem, as defined by BWF from time to time (e.g. BWF logo, integrity campaign logo or similar). The mark must not exceed 20 square centimetres and must follow the definition of the mark outlined by BWF. The mark can appear on any of the following locations not already used for advertising or a national flag or emblem: left sleeve, right sleeve, left shoulder, right shoulder, left collar, right collar, right chest, left chest and centre chest.
23.2.3 Advertising contained in a band of uniform width not exceeding 10 centimetres on the front and not exceeding five centimetres on the back. Such a band may be at any angle and may be on the front of the shirt, the back of the shirt, or both.
23.2.4 If, in the Referee's sole judgment, there is a clash between the content of the advertising in Regulation 23.2.3 and the tournament sponsors or the TV broadcasters, or if the content of the advertising would infringe local laws or be considered offensive, then the Referee may limit advertising on the shirt to Regulation 23.2.1.

### 23.3 Other Clothing

23.3.1 Each sock may carry two advertisements of 20 square centimetres or less.
23.3.2 Advertising on shoes is accepted subject to the make and model of shoe being available in the open market for at least three months prior to the tournament in which they are being worn.
23.3.3 Each sock may carry two advertisements (including manufacturers' logos/emblems) of 20 square centimetres or less. The total number of advertisements allowed on each leg/foot is just two should a player wear a compression/support sock as well as a regular sock.
23.3.4 Clothing worn under player shirts, shorts, skirts or dresses, shall be known as 'underclothing' and not categorised as 'articles of clothing', and if visible must not display advertising.

### 23.4 Restrictions on the advertising

23.4.1 The advertisements in Regulations 23.2 and 23.3 may be the clothing manufacturer's emblem or that of any sponsor.
23.4.2 Each advertisement shall only be of one organisation or product.
23.4.3 The advertisements shall follow the International Olympic Committee principles and shall not contain any political, religious messages or anything which is not a commercial brand, registered mark or trade mark. (e.g. I don't have a sponsor, I am nice, etc.).
23.4.4 Players displaying tattoos, paints, taping, transfers or similar (which are not on clothing) may not display any tattoo, paint, taping or transfer which is illegal, defamatory or commercial in nature or otherwise in breach of the principles relating to advertising on clothing outlined in 23.4.3.
23.4.5 Advertising of tobacco related companies and products is prohibited.
23.5 In multi-sports games (e.g. Olympic Games) the organisers may specify more restrictive advertising limitations on players' clothing during play than in Regulations 23.2 to 23.4.

## Member Association advertising

23.6.1 Member Associations may use an area not exceeding fifty square centimetres on their players' shorts or lower part of dresses or skirts.
23.6.2 The area shall typically be used for a Member Association's logo or an advertisement for a Member Association's sponsor provided it conforms to Regulation 23.4.2.
23.6.3 If the Member Association does not use such area, that area shall not be utilized for any other advert.
23.6.4 If players wear advertising on their shorts or skirts, or lower part of dresses at a tournament this must be the advertising agreed between the Member Association and the BWF. All players from the same Member Association in a tournament do not have to wear advertising on their shorts, skirts, or lower part of dresses.
23.6.5 Any Member Association wishing to use this type of advertising must have written permission from the BWF for doing so. BWF will invite the Member Associations to seek permission in January, but a Member Association can seek separate permission any time during the year. Any permission must be sought and given a minimum of 2 months before a tournament.

## 24. CLOTHING REGULATIONS FOR UMPIRES WHERE A UNIFORM HAS NOT BEEN PROVIDED

24.1 For Level 2, 3, 4 and Junior International tournaments:
24.1.1 Umpires are to bring their own uniform, consisting of black pants or skirt, a black collared shirt with pocket, black socks, and black shoes.
24.1.2 Only one manufacturer's logo and one additional advertisement are allowed on the shirt and each logo must not be larger than 20 square centimetres.
24.1.3 If, in the BWF's sole judgement, there is a clash between the content of the advertising in Regulation 24.1.2 and the tournament sponsors or the TV broadcasters, or if the content of the advertising would infringe local laws or be considered offensive, then the BWF may limit advertising on the shirt.
24.1.4 Only one BWF, Continental Confederation, or Member logo, as appropriate, is allowed one the shirt. This logo is reflective of the level of accreditation or certification achieved by the respective Umpire, and provided to the Umpire by the respective organisation. This logo must not be larger than 20 square centimetres.

## 25. RESULTS

25.1 The draw must be e-mailed to BWF, via the stipulated software file, as soon as it has been made.
25.2 The results must be e-mailed to the BWF, using the stipulated software file on a daily basis showing full player names, Member Associations who have entered the players and the BWF numbers where players have them.
25.3 Final results must be e-mailed to the BWF within 24 hours of the conclusion of the event, using the stipulated software file. In case of contingency, the print out of the updated draws must be faxed within the stipulated time. Those not received will be excluded from the World Ranking. (Refer Regulation 31).

## 26. WITHDRAWALS

26.1 It is a condition of entry to a BWF-sanctioned tournament that the organisers must be notified of any withdrawal by a player / pair or team from the tournament or any event thereof.
26.1.1 Where such withdrawal is made no later than the Sunday immediately preceding the draw no penalty is involved.
26.1.2 Any withdrawal after the Sunday immediately preceding the draw for any reason whatsoever, renders the Member Association concerned liable to an amount of US\$ 250 per player / pair to the BWF for level 1 tournaments, to the organisers and BWF for levels 2 \& 3 tournaments and US\$ 150 for level 4 BWF sanctioned tournaments to the organisers, Continental Confederations and BWF, for the inconvenience caused by the withdrawal.
26.1.3 Where there is a withdrawal of 10 or more players by one Member Association in any given tournament the penalty as specified in the Table of Offences and Penalties (Part III Section 1A - Appendix 11) shall apply.The BWF disciplinary committee will consider whether any additional penalty to that listed in Regulation 32 (Penalties) is applicable.
26.1.4 For the purpose of these regulations, retiring from a match shall not be considered to be a withdrawal, however, should a player be entered in more than one event, by retiring or withdrawing from that one event, the player must be withdrawn from all other events in which the player is entered. A 'no show' for a match in a tournament shall be treated as a withdrawal but will carry a higher penalty than a withdrawal in addition to the existing withdrawal fee. This clause also applies for team tournaments where retiring or withdrawing in a tie in a team tournament means that the player shall be withdrawn from all subsequent matches in that tie and cannot be substituted in a doubles match. However, a player who retires or withdraws from a match in a team tournament can participate in other matches in any future ties in that Team Tournament.
26.1.5 Responsibility for the administration of withdrawals and penalties is allocated as per the following table. All responsible organisations should observe the same principles as the BWF.
Table

| Tournament | Responsible |  | Other arrangements |
| :--- | :--- | :--- | :--- |
|  | BWF | CC |  |
| Thomas Cup Final Stage | V |  |  |
| Thomas Cup Continental Stage |  | V |  |
| Uber Cup Final Stage | V |  |  |
| Uber Cup Continental Stage |  | V |  |
| Sudirman Cup | V |  |  |
| Superseries | V |  |  |
| Superseries Finals | V |  |  |
| Grand Prix and Grand Prix Gold | V |  |  |
| International Tournaments |  | V |  |
| International Junior Tournaments |  | V |  |
| World Championships | V |  |  |
| Suhandinata and Eye Level Cups | V |  |  |
| World Senior Championships | V |  |  |
| Continental Championships |  | V |  |
| Olympic Games |  |  | BWF and IOC responsible |
| Continental Multi-sport games e.g. |  |  | Responsibility assigned according to |


| Asian Games, Pan American Games, <br> African Games, etc. |  |  | the Charter of the Games |
| :--- | :--- | :--- | :--- |
| Commonwealth Games |  |  | Responsibility assigned according to <br> the Charter of the Games |
| International Challenge, International <br> Series and Future Series | V |  |  |

26.1.6 The payment of withdrawal fees shall be collected by the BWF and the amount shall be forwarded to the organisers after US $\$ 50$ per withdrawal is retained by BWF except as follows:

- If the player was entered by the Member Association under whose jurisdiction the competition was held, the whole payment shall be retained by the BWF.
- For level 1 tournaments the whole withdrawal fee is retained by BWF.
- For level 2 and 3 tournaments US\$50 is retained by BWF.
- For level 4 tournaments US\$50 shall be forwarded to the organisers, US\$50 to the Continental Confederation and US $\$ 50$ retained by BWF. If the player was entered by the Member Association under whose jurisdiction the competition was held, then the payment shall be equally divided between BWF and the Continental Confederation.
26.2 The referees of all BWF-sanctioned Tournaments must, immediately after the conclusion of the tournament, advise the BWF through the Referee's Report about all players (or teams in the case of team competitions) who withdrew from the Tournament after the date specified for withdrawals without fees or who did not appear.
26.3 For each player or team in Regulation 26.2, the organisers must advise the BWF of the circumstances of the withdrawal, including whether they were notified, and supply a copy of any relevant documentation.
26.4 Within four weeks of the conclusion of each BWF-sanctioned tournament, the Member Association concerned will be invoiced with the fees payable.


## 27. CONDUCT OF TOURNAMENTS OR FIXTURES

27.1 A Referee shall be appointed for all sanctioned tournaments or other fixtures.

### 27.1.1 The Referee shall be in overall charge of the tournament.

27.1.2 The Referee or a deputy shall always be present in the hall during the playing of matches.
27.2 The BWF shall appoint the Referee for all tournaments organised by the BWF itself.
27.3 The BWF shall appoint the Technical Delegate(s) and the Referee(s) for Multi-sport games, or alternatively, at its sole discretion, may approve a nomination from the organiser.
27.4 The duties of the Referee shall include:
27.4.1 ensuring that the conduct of the tournament is in accordance with the Laws of Badminton, the Rules and Regulations of the BWF and any other regulations pertinent to the particular competition;
27.4.2 ensure that the players are given facilities and playing conditions of adequate standard and safety.
27.4.3 approval of the programme of play and practice schedule; and
27.4.4 overall control of and ensuring that there is an adequate panel of technical officials of requisite ability and appropriate international representation.
27.5 Any player participating in two matches is entitled to a minimum interval of 30 minutes between them.
27.6 At all Level 1 and 2 tournaments, BWF may appoint a BWF Tournament Director
27.7 At a BWF-sanctioned tournament where the BWF has not appointed the Referee, the BWF may appoint a BWF Representative
27.8 The duties of the BWF Tournament Director or BWF Representative, wherever appointed, shall be:
27.8.1 to get all the information regarding the tournament and to take any necessary actions;
27.8.2 to give advice to the organisers, ensuring the general organisation is at desired standard;
27.8.3 to ensure proper presentation of the game and co-ordination with media and publicity.
27.8.4 to attend the tournament and any associated meetings, such as publicity conferences and general social functions;
27.8.5 to represent the interests of the BWF in any dispute not the direct responsibility of the Referee; and
27.8.6 to support the Referee in his general duties.
27.9 Should the BWF be represented at a tournament under the control of a BWF-appointed Referee, the duties of such Representative(s) shall not conflict with the responsibilities of the Referee.
27.10 Shuttles
27.10.1 One brand of BWF approved shuttle only must be adopted for exclusive use during any tournament and the name of this brand must be advertised in the prospectus.
27.10.2 No rationing of shuttles per match must be allowed, and all shuttles used must be a charge against the tournament and not against the players concerned.

### 27.11 Warm Up and Practice Courts:

27.11.1 For the BWF-sanctioned tournaments the warm up and practice court requirements shall be as under:

|  | Level of tournament |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Level 1 | Level 2 | Level 3 | Level 4 |
| Warm Up courts | Mandatory | Recommended | Recommended | Recommended |
| Minimum Warm <br> up courts. | 2 | 2 | 2 | 2 |
| Practice courts | Mandatory | Mandatory | Mandatory | Recommended |
| Minimum <br> Practice courts. | 4 | 4 | 4 | 2 |

27.11.2 These facilities shall be provided at least one day prior to commencement of tournament until the conclusion of the tournament.
27.11.3 The practice time must be offered in the practice hall and main venue throughout the competition and it shall be allocated on an equitable basis having regard to the number of active players in each team.
27.11.4 It is recommended that main hall practice be available for approximately three hours per day to players active in the tournament. The practice schedule must be agreed with the Referee in advance of the tournament.

## 28. PRIZES

28.1 A prize fund may be awarded to players in all international tournaments sanctioned by the BWF and, should be made in cash. Any prizes in kind shall be awarded over and above the prize fund as additional prizes. The entry form or prospectus for the tournament shall set out the total value of any such prizes.
28.2 In a tournament where all prizes are below the limit of US $\$ 5,000$ and the total prize fund is less than US $\$ 50,000$ and level 4 tournaments, those prizes, may be given directly to the player concerned, or in accordance with the instructions of the player's Member Association.
28.3 Prize money from tournaments with larger prize funds
28.3.1 In a tournament where any prize is US $\$ 5,000$ or more, or the total prize fund is US $\$ 50,000$ or more and level 1 to 3 tournaments, all prizes must be paid in accordance with Regulations 28.3.2 to 28.3.5.
28.3.2 All prizes must be paid to the BWF within three weeks of the end of the tournament. Upon receipt of these prizes, the BWF shall without delay remit the appropriate amounts to the Member Associations of the players concerned.
28.3.3 If prize monies are not received by the BWF after three weeks, an interest surcharge of $0.25 \%$ per week on any outstanding amount will be added to the total prize money due, this interest to accrue on the first day of each succeeding week that the payment is outstanding.
28.3.4 Proof of payment of withholding tax must be supplied to the BWF within nine months of the tournament or sanction of future tournaments may be withdrawn. Individual withholding tax certificates in appropriate legal form in each participant's name shall be issued along with such proof of payment, so that the participant will be able to take credit of such withholding tax, if allowable, in his country.
28.3.5 The BWF shall not have any responsibility for paying to Member Associations any prize monies that have not been paid in accordance with Regulation 28.3.2.
28.3.6 Any prize money earned by a player in BWF sanctioned tournaments and paid to a Member, must be paid in full by the Member to the player without delay and latest after four weeks of receipt by the Member, unless the Member and the Player have made a mutual agreement about the payment schedule and/or deduction by the Member against the prize money.

### 28.4 Division of prize money

### 28.4.1 Prize Money

The following division of prizes is recommended for the BWF sanctioned Tournaments and all other tournaments with a comparable number of competitors.

| \% of total prize money |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Winner | Runner- <br> up | Semi- <br> finalists | Quarter- <br> finalists | Last 16 | Total |  |
| Men's singles | 7.50 | 3.80 | 1.45 | 0.60 | 0.35 |  |  |
| Number | X 1 | X 1 | X 2 | X 4 | X 8 |  |  |
| Total | 7.50 | 3.80 | 2.90 | 2.40 | 2.80 | 19.40 |  |
| Women's singles | 7.50 | 3.80 | 1.45 | 0.60 | 0.35 |  |  |
| Number | X 1 | X 1 | X 2 | X 4 | X 8 |  |  |


| Total | 7.50 | 3.80 | 2.90 | 2.40 | 2.80 | 19.40 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Men's doubles* | 7.90 | 3.80 | 1.40 | 0.725 | 0.375 |  |
| Number | X 1 | X 1 | X 2 | X 4 | X 8 |  |
| Total | 7.90 | 3.80 | 2.80 | 2.90 | 3.00 | 20.40 |
| Women's <br> doubles* | 7.90 | 3.80 | 1.40 | 0.725 | 0.375 |  |
| Number | X 1 | X 1 | X 2 | X 4 | X 8 |  |
| Total | 7.90 | 3.80 | 2.80 | 2.90 | 3.00 | 20.40 |
| Mixed doubles* | 7.90 | 3.80 | 1.40 | 0.725 | 0.375 |  |
| Number | X 1 | X 1 | X 2 | X 4 | X 8 |  |
| Total | 7.90 | 3.80 | 2.80 | 2.90 | 3.00 | 20.40 |
| *per pair |  |  |  |  |  |  |

28.4.2 Member Associations may vary the above divisions for tournaments with fewer than five events.
28.5 The BWF will retain the undistributed prize money in all BWF level 1 to 3 tournaments, and Continental Confederations will retain the undistributed prize money in all level 4 tournaments, where the entry is so low that the prize money is not fully distributed.
29. PLAYER MOVEMENT
29.1 A player may be entered into BWF sanctioned competitions by any Member Association until and unless another Member Association objects.
29.2 To object, a Member Association must produce evidence that the player concerned was under contract to it or one of its regional associations or clubs.
29.3 A player may be entered into BWF sanctioned competitions by any Member Associations on the condition that BWF have been informed in the format required by BWF and there is no objection from another Member Association.
29.4 The BWF will review the contract and consider the player's observations before deciding if the contract is enforceable.
29.5 If the contract is accepted as enforceable, the player will be barred from entry to international competitions for the period specified in the contract (or until the terms of the contract have been adhered to, if the contract provides for possible player movement). However, the maximum period of ineligibility to enter international competitions will be six months, regardless of the contract's provisions

## 30. DOPING AND FEMININITY CONTROL

Doping control is regulated by the provisions of the Anti-Doping Regulations which shall apply to all tournaments run directly or indirectly under the auspices of the BWF or one of its members, whether or not the tournament needs sanction by the BWF. The BWF encourages dope-testing at all BWF-sanctioned tournaments.

## 31. WORLD RANKING SYSTEM

The BWF is empowered to implement or modify the World Ranking System (Part III Section 1A Appendix 6).

## 32. PENALTIES

32.1 Any player / pair, coach, team official, Technical Official or tournament organiser who commits an offence as referred to in Regulation 32.2 shall be levied with a penalty as stated in Regulation 32.2 to be retained by the BWF.
32.2 For the details of offences covered (including betting/wagering offences) under this regulation and penalties payable, please refer to Players Code of Conduct or Code of Conduct for Coaches, Team Officials and Technical Officials or the Table of Offences and Penalties (Part III Section 1A-Appendix 11).
32.3 The penalty for the offences shall be based on the Referee's Report for that tournament.
32.4 The Referee shall send a report for any misconduct warranting a disqualification of a player, a team official or a Technical Official, covered by the Player's Code of Conduct (Part III, Section 1A, Appendix 4) and Code of Conduct for Coaches, Team Officials and Technical Officials (Part III, Section 1A, Appendix 9).
32.5 Any player / pair who is issued a black card in any BWF sanctioned tournament shall be disqualified from participating in all events (in case of a team championships, subsequent matches and ties) in the tournament in which the black card was issued. For the purpose of these regulations, Suhandinata Cup and Eye-Level Cups shall be considered to be different tournaments.
32.6 On receipt of a report of a black card or a report of misbehaviour of a player or a person covered under Code of Conduct for Coaches, Team Officials and Technical Officials (Regulation 32.4), the BWF shall immediately initiate the disciplinary proceedings as per the Disciplinary Regulations.
32.7 If the Member Association fails to settle the withdrawal fee or penalty within 60 days of the original invoice, the Member Association concerned shall be barred from entering any player in all BWF sanctioned tournaments until the fee or penalty is paid.
32.8 The Member may appeal penalties in accordance with and subject to the BWF Judicial Procedures. A penalty can be appealed to a Disciplinary Hearing Panel or to the relevant judicial body appointed by the Council, except for the penalties and fees that are stated as not appealable.

Where the Disciplinary Hearing Panel is satisfied that the offence causing the penalty did not occur, was outside the control of the Player / pair, due to force majeure, or for any other reason beyond the control of the Player, the penalty may be waived.

For those penalties and fees which are not appealable, the Member may formally file a complaint to the BWF through the procedure described in the Complaint Guidelines and Procedure.

The following penalties and fees are not appealable:

- All breaches of the Players' Code of Conduct with an associated fine of \$500 USD or less;
- All breaches of the Coaches' and Educators Code of Conduct with an associated fine of $\$ 500$ USD or less;
- All breaches of GCR Regulations 19-23 (Player Clothing) with an associated fine of \$500 USD or less;
- All Yellow Cards;
- All Red Cards; and
- All Withdrawal Fees.


## 33. IMPLEMENTATION, MODIFICATION AND PENALTIES

33.1 The BWF has full authority to implement, interpret or modify these Regulations and to impose penalties on any Member for infringement of any of the Regulations. The Member Association(s) of the offending player(s) may also be instructed to take specified disciplinary action.
33.2 The BWF shall, on proposal from its members, have power to grant a dispensation from any of the General Competition Regulations, in cases where extraordinary or unforeseen circumstances apply, provided such a decision is carried by a majority of two-thirds of the votes cast.


[^0]:    Part III - Section 1A

[^1]:    Part III - Section 1A

[^2]:    Part III-Section 1A
    General Competition Regulations

[^3]:    Part III - Section 1A

[^4]:    Part III - Section 1A
    General Competition Regulations

[^5]:    Part III - Section 1A

[^6]:    Part III - Section 1A

