

Directions (Q. 101-105): What should come in place of the question mark (?) in the following questions?

101. $(47 \times 588) \div (28 \times 120) = ?$

- (1) 6.284 (2) 7.625
(3) 8.225 (4) 8.285
(5) None of these

102. $45\% \text{ of } 224 \times ?\% \text{ of } 120 = 8104.32$

- (1) 67 (2) 62
(3) 59 (4) 71
(5) None of these

103. $7921 \times 51 + 374 = (?)^3$

- (1) 16 (2) 19
(3) 15 (4) 21
(5) None of these

104. $6573 = 21 \times (0.2)^2 = ?$

- (1) 7825 (2) 62.6
(3) 1565 (4) 12.52
(5) None of these

105. $74156 - ? - 321 - 20 + 520 = 69894$

- (1) 3451 (2) 4441
(3) 5401 (4) 4531
(5) None of these

Directions (Q. 106-110): What should come in place of the question mark (?) in the following number series?

106. 1548 516 129 43 ?

- (1) 11 (2) 10.75

(3) 9.5 (4) 12

(5) None of these

107. 949 189.8 ? 22.776 11.388 6.8328

(1) 48.24 (2) 53.86

(3) 74.26 (4) 56.94

(5) None of these

108. 121 144 190 259 ? 466

(1) 351 (2) 349

(3) 374 (4) 328

(5) None of these

109. 14 43.5 264 ? 76188

(1) 3168 (2) 3176

(3) 1587 (4) 1590

(5) None of these

110. 41 164 2624 ? 6045 696

(1) 104244 (2) 94644

(3) 94464 (4) 102444

(5) None of these

111. Two numbers are less than the third number by 50% and 54% respectively. By how much percent is the second number less than the first number ?

(1) 13 (2) 10

(3) 12

(4) Cannot be determined

(5) None of these

112. In how many different ways can the letters of the word 'BLOATING' be arranged?

(1) 40320

(2) 5040

(3) 2520

(4) 20160

(5) None of these

113. The average of 5 numbers is 306.4. The average of the first two numbers is 431 and the average of the last two numbers is 214.5.

What is the third number?

(1) 108 (2) 52

(3) 321

(4) Cannot be determined

(5) None of these

114. Fifty-six men can complete a piece of work in 24 days. In how many days can 42 men complete the same piece of work?

(1) 18 (2) 32

(3) 98 (4) 48

(5) None of these

115. A man takes 6 hours 35 minutes in walking to a certain place and riding back. He would have taken 2 hours less by riding both ways.

What would be the time he would take to walk both ways?

(1) 4 hrs 35 mins

(2) 8 hrs 35 mins

(3) 10 hrs

(4) 8 hrs 25 mins

(5) None of these

Directions (Q. 116-120): Study the following table carefully

and answer the-questions given below.

Number of Males & Females staying in various Societies

Societies	Males	Females
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A	250	350
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B	400	150
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C	300	275
---	-----	-----

D	230	300
---	-----	-----

E	180	250
---	-----	-----

F	325	300
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Percentage of Children (Males & Females) in the Societies

Societies	Children Male	Female
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Children		
----------	--	--

Children		
----------	--	--

A	25%	40% _ 60% _
---	-----	-------------

B	40%	75% 25%
---	-----	---------

C	16%	25% 75%
---	-----	---------

D	25%	80% 20%
---	-----	---------

E	40%	50% 50%
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F	24%	46% 54%
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116. What is the ratio of the number of adult females to the total number of female children staying in all the societies together?

(1) 243 : 82

(2) 112 : 71

(3) 82 : 243

(4) 71 : 112

(5) None of these

117. What is the total number of female children staying in all the societies together?

(1) 314 (2) 433

(3) 410 (4) 343

(5) None of these

118. What is the ratio of the total number of adult males in Societies A and B together to the total number of adult males in Societies E and F together?

(1) 75 : 79

(2) 14 : 17

(3) 79 : 75

(4) 17 : 14

(5) None of these

119. What is the total number of members staying in all the societies together?

(1) 3520 (2) 3360

(3) 4100 (4) 3000

(5) None of these

120. What is the difference between the number of male children in Society B and the number of male children in Society F?

(1) 84 (2) 14

(3) 96 (4) 26

(5) None of these

Directions (Q. 121-125): Study the following piechart carefully and answer the questions given below.

Percentage of People in a city working in Night Shifts from various Industries (Total number of People = 40250)

Percentage of Females from various Industries working in night shifts.

Industries Females

IT 20%

Gaming 20%

Call Centre 45%

Sales 60%

Banking 40%

Chemical Industries 15%

121. What is the ratio of the men to the women working in night shifts from the Call Centre industry?

(1) 9:11 (2) 7:5

(3) 8:13 (4) 11:7

(5) None of these

122. What is the approximate average number of females working in night shifts from all the

industries together?

(1) 2227 (2) 4481

(3) 3326 (4) 2823

(5) 4107

123. What is the total number of men working in night shifts from all the industries together?

(1) 28297 (2) 25788

(3) 28678 (4) 26887

(5) None of these

124. The number of women from the gaming industry is what per cent of the total number of people working in the night shifts from all the industries together?

(1) 5.6 (2) 3.6

(3) 3.2 (4) 4.4

(5) None of these

125. What is the difference between the total number of men and the total number of women working in night shifts from all the industries together?

(1) 13254 (2) 13542

(3) 13524

(4) 13363

(5) None of these

Directions (Q. 126-130): Study the following table carefully and answer the questions given below.

Number of people working in various departments from various organisations

Organisations

Departments A B C D E

HR 1050 1015 976 888 1004

Finance 1017 960 786 1025 963

Marketing 1382 1384 1275 1300 1290

Production 1542 1545 1550 1570 1580

Accounts 786 745 801 800 735

Legal 48 54 36 30 53

126. The total number of employees working in the legal department is approximately what per cent of the total number of employees working in HR department of all the organisations together?

(1) 4 (2) 8

(3) 12 (4) 6

(5) 10

127. What is the approximate difference between the average number of people working in Marketing and Production departments from all the organisations together?

(1) 578 (2) 231

(3) 330 (4) 1156

(5) 300

128. What is the ratio of the total number of employees working in organisation A to the

total number of employees working in organisation E?

- (1) 225 : 233 (2) 71 : 75
(3) 75 : 71 (4) 233 : 215
(5) None of these

129. What is the total number of employees from all the departments working in all the organisations together?

- (1) 26960 (2) 28910
(3) 28190 (4) 29660
(5) None of these

130. The number of people working in the Finance department from organisation B is approximately what percent of the total number of employees working in organisation B?

- (1) 12 (2) 15
(3) 20 (4) 17
(5) 25

Directions (Q. 131-135): Study the following data carefully and answer the questions given below.

Out of a total number of commuters commuting daily in a city, 17,171 commuters commute only by trains. 7359 commuters commute only by bikes and 22,077 commuters commute only by buses. 14,718 commuters commute only by their private cars and

4,906 commuters commute only by autos. 7,359 commuters commute only by taxis. 26,983 commuters commute by buses as well as trains. 9,812 commuters commute by autos as well as trains. 12,265 commuters commute by buses as well as autos.

131. The total number of commuters commuting by trains forms what per cent of the total number of commuters commuting daily?

- (1) 22 (2) 44
- (3) 14 (4) 36
- (5) None of these

132. The total number of commuters commuting by autos forms what per cent of the total number of commuters, commuting daily?

- (1) 10 (2) 18
- (3) 22 (4) 4
- (5) None of these

133. The total number of commuters commuting by bikes and taxis together forms what per cent of the total number of commuters commuting daily?

- (1) 12 (2) 6
- (3) 8 (4) 16
- (5) None of these

134. What is the total number of commuters in the city commuting daily?

- (1) 122650 (2) 126250
- (3) 162250 (4) 152260

(5) None of these

135. The number of commuters commuting only by bus forms what per cent of the total number of commuters commuting daily?

(1) 40 (2) 22

(3) 32 (4) 18

(5) None of these

Directions (Q. 136-140): Study the following graph carefully and answer the questions given below.

Units of Raw Material Manufactured and Sold by a Company Over the Years (Units in Crores)

136. What is the average number of units sold over the years?

(1) 440000000 (2) 4400000

(3) 440000 (4) 44000000

(5) None of these

137. What is the ratio of the difference between the number of units manufactured and sold in the year 2005 to the difference between the number of units manufactured and sold in the year 2006?

(1) 2 : 3 (2) 1 : 2

(3) 1 : 4 (4) 3 : 5

(5) None of these

138. What is the ratio of the number of units manufactured in the year 2003 to the number of units manufactured in the year 2007?

- (1) 7 : 11 (2) 9 : 14
- (3) 7 : 9 (4) 9 : 11
- (5) None of these

139. What is the approximate per cent increase in the number of units sold in the year 2007 from the previous year?

- (1) 190 (2) 70
- (3) 60 (4) 95
- (5) 117

140. What is the difference between the number of units manufactured and the number of units sold over the years?

- (1) 50000000 (2) 5000000
- (3) 500000000 (4) 500000
- (5) None of these

141. If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 150%, the resultant fraction is

7

10

. What is the original fraction?

- (1) 4 (2) 12
- (3) 11 (4) 9
- (5) None of these

142. Samiara, Mahira and Kiara rented a set of

DVDs at a rent of Rs 578. If they used it for 8 hours, 12 hours and 14 hours respectively, what is Kiara's share of rent to be paid?

- (1) Rs238
- (2) Rs204
- (3) Rs 192
- (4) Rs 215
- (5) None of these

143. Kamlesh bought 65 books for Rs 1,050 from one shop and 50 books for Rs 1,020 from another. What is the average price he paid per book?

- (1) Rs 36.40
- (2) Rs 18.20
- (3) Rs 24 (4) Rs 18
- (5) None of these

144. In an election between two candidates, one got 52% of the total valid votes. 25% of the total votes were invalid. The total number of votes was 8400. How many valid votes did the other person get?

- (1) 3276
- (2) 3196
- (3) 3024
- (4) Cannot be determined
- (5) None of these

145. The ratio of length to breadth of a rectangular plot is 8 : 5 respectively. If the breadth is 60

metres less than the length, what is the perimeter of the rectangular plot?

- (1) 260 metres
- (2) 1600 metres
- (3) 500 metres
- (4) Cannot be determined .
- (5) None of these

Directions (Q. 146-150): What approximate value should come in place of the question mark (?) in the following questions?

(You are not expected to calculate the exact value).

$$146. \quad 342$$

$$3719 ?$$

$$795$$

$$\quad \quad \quad =$$

- (1) 341 (2) 283
- (3) 274 (4) 301
- (5) 288

$$147. \quad 0.008 + 6.009 \div (0.7)^2 = ?$$

- (1) 21 (2) 6
- (3) 12 (4) 8
- (5) 18

$$148. \quad (3795657 \div 7) \times (3.8 \div 5.5) = ?$$

- (1) 48 (2) 22
- (3) 43 (4) 26
- (5) 31

$$149. \quad 98 \times 785 \div (285)^2 = ?$$

- (1) 0.3 (2) 1.8

(3) 2.2 (4) 0.9

(5) 0.08

$150.749 \times 0.56 + 14.38 = ?$

(1) 30 (2) 35

(3) 42 (4) 25

(5) 45

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101. (3) 102. (1) 103. (5) 104. (4) 105. (3) 106. (2) 107. (4) 108. (1) 109. (5)

110. (3)

111. (5) 112. (1) 113. (5) 114. (2) 115. (2) 116. (1) 117. (3) 118. (4) 119. (2)

120. (3)

121. (5) 122. (1) 123. (4) 124. (2) 125. (3) 126. (1) 127. (2) 128. (5) 129. (3)

130. (4)

131. (2) 132. (3) 133. (1) 134. (1) 135. (4) 136. (4) 137. (3) 138. (2) 139. (5)

140. (1)

141. (2) 142. (1) 143. (4) 144. (3) 145. (5) 146. (2) 147. (3) 148. (5) 149. (4)

150. (1)