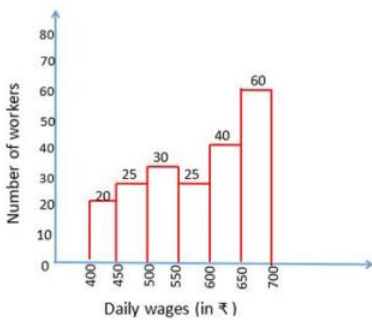


Section : Numerical Aptitude

Q.1 Study the graph and answer the question given below.
The given graph represents the number of workers getting daily wages (in ₹).
Total number of workers = 200



The total number of workers whose daily wages are less than ₹550 is what percentage less than the total number of workers whose daily wages are ₹550 and above?

- Ans**
- 1. 45%
 - 2. 60%
 - 3. 40%
 - 4. 50%

Question ID : 65497816181
Chosen Option : 3

Q.2 Two numbers are in the ratio 7 : 9. If the sum of their squares is 8320, then the sum of the two numbers is:

- Ans**
- ✓ 1. 128
 - ✗ 2. 228
 - ✗ 3. 120
 - ✗ 4. 124

Question ID : 65497816168

Chosen Option : 1

Q.3 Out of two numbers, the first number is three-fourth of the second number. If the average of the reciprocals of the two numbers is $\frac{7}{72}$, then the sum of the two numbers is:

- Ans**
- ✓ 1. 21
 - ✗ 2. 22
 - ✗ 3. 25
 - ✗ 4. 20

Question ID : 65497816162

Chosen Option : 1

Q.4 An article was sold at a loss of 18%. If it was sold for ₹2,475 more, then there would have been a profit of 12%. The cost price of the article is:

- Ans**
- ✓ 1. ₹8,250
 - ✗ 2. ₹8,500
 - ✗ 3. ₹8,000
 - ✗ 4. ₹8,200

Question ID : 65497816167

Chosen Option : 1

Q.5 The smallest four-digit number which is exactly divisible by 18, 32 and 48 is:

- Ans**
- ✗ 1. 1252
 - ✗ 2. 1156
 - ✗ 3. 1256
 - ✓ 4. 1152

Question ID : 65497816177

Chosen Option : 4



Q.6 A, B and C are three boxes containing marbles in the ratio 3 : 5 : 7, and the total number of marbles is 75. If 3 marbles are transferred from B to A, and 5 marbles are transferred from C to B, then the new ratio of the marbles is:

- Ans**
- ✗ 1. 6 : 8 : 11
 - ✗ 2. 5 : 6 : 7
 - ✗ 3. 7 : 9 : 10
 - ✓ 4. 6 : 9 : 10

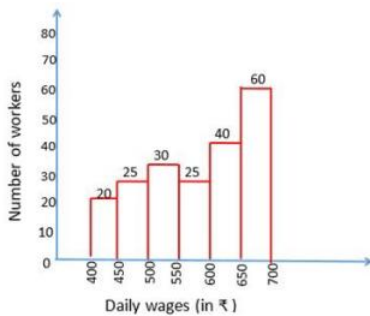
Question ID : 65497816169
Chosen Option : 4

Q.7 From each of the four corners of a rectangular sheet of dimensions 48 cm × 27 cm, a square of side 3.5 cm is cut off and a box is made. The volume of the box is:

- Ans**
- ✗ 1. $2880cm^3$
 - ✗ 2. $2780cm^3$
 - ✓ 3. $2870cm^3$
 - ✗ 4. $2860cm^3$

Question ID : 65497816174
Chosen Option : 3

Q.8 Study the graph and answer the question given below.
The given graph represents the number of workers getting daily wages (in ₹).
Total number of workers = 200



The ratio of the total number of workers whose daily wages are less than ₹500 to the total number of workers whose daily wages are ₹600 and above is:

- Ans**
- ✓ 1. 9 : 20
 - ✗ 2. 12 : 17
 - ✗ 3. 8 : 15
 - ✗ 4. 9 : 15

Question ID : 65497816180
Chosen Option : 1

Q.9 The sum of three numbers is 396. If the ratio between the first and the second number is 7 : 11 and that between the second and the third number is 11 : 15, then the difference between the first and the third number is:

- Ans**
- 1. 86
 - 2. 94
 - 3. 96
 - 4. 85

Question ID : 65497816170
Chosen Option : 3

Q.10 An article was sold at 65% of its marked price, and thus there was a gain of 30%. Find the ratio of the marked price to cost price.

- Ans**
- 1. 3 : 2
 - 2. 4 : 3
 - 3. 2 : 1
 - 4. 3 : 1

Question ID : 65497816166
Chosen Option : 3

Q.11 If the area of the base of a cylinder is 346.5cm^2 and the area of the curved surface is 990cm^2 , then its height is:
(Take $\pi = \frac{22}{7}$)

- Ans**
- 1. 10 cm
 - 2. 12 cm
 - 3. 14 cm
 - 4. 15 cm

Question ID : 65497816176
Chosen Option : 4

Q.12 What is the value of x , if $(5 + 4^2) \div 3$ of $x - 2 \times 4 = -7$?

- Ans**
- 1. -3
 - 2. 5
 - 3. 7
 - 4. -7

Question ID : 65497817390
Chosen Option : 3



Q.13 If the volume of a sphere is $65\frac{10}{21} \text{ cm}^3$, then its surface area is:

(Take $\pi = \frac{22}{7}$)

- Ans
- 1. $77\frac{4}{7} \text{ cm}^2$
 - 2. $76\frac{4}{7} \text{ cm}^2$
 - 3. $78\frac{4}{7} \text{ cm}^2$
 - 4. $78\frac{3}{7} \text{ cm}^2$

Question ID : 65497816175
Chosen Option : 3

Q.14 A sum of ₹8,500 amounts to ₹11,900 in 5 years at simple interest per annum. If the rate of interest is increased by 3%, then the increased amount for the same period is:

- Ans
- 1. ₹12,175
 - 2. ₹13,175
 - 3. ₹12,475
 - 4. ₹13,275

Question ID : 65497816172
Chosen Option : 2

Q.15 A certain number of persons can complete a piece of work in 46 days. If there were 8 persons more, the work could be finished in 16 days less. How many persons were originally there?

- Ans
- 1. 25
 - 2. 18
 - 3. 15
 - 4. 20

Question ID : 65497816158
Chosen Option : 3

Q.16 The average of seven consecutive odd numbers is 27. If the last number is removed from the list, then the average of the remaining numbers is:

- Ans
- 1. 26
 - 2. 25
 - 3. 24
 - 4. 22

Question ID : 65497816163
Chosen Option : 1



Q.17 The dimensions of a solid metallic cuboid are 36 cm, 54 cm and 24 cm. It is melted and recast into 8 cubes of same volume. The sum of the surface areas (in cm^2) of these 8 cubes is:

- Ans
- 1. 10368
 - 2. 11664
 - 3. 9720
 - 4. 15552

Question ID : 65497815169
Chosen Option : 4

Q.18 The income of a company increases by 25% per year. If its income is ₹31,25,000 in the year 2017, what was the income in 2015?

- Ans
- 1. ₹25,00,000
 - 2. ₹22,00,000
 - 3. ₹20,00,000
 - 4. ₹20,20,000

Question ID : 65497816165
Chosen Option : 3

Q.19 If the difference between the selling prices of an article, when sold at 22% discount and at 14.5% discount, is ₹285, then the marked price of the article is:

- Ans
- 1. ₹3,400
 - 2. ₹3,500
 - 3. ₹3,800
 - 4. ₹2,800

Question ID : 65497816164
Chosen Option : 3

Q.20 A man covered a distance of 280 km in 8 hours on a motorcycle. How much distance will be covered on a bicycle in 2 hours, if he rides the bicycle at $\frac{3}{14}$ of the speed of the motorcycle?

- Ans
- 1. 25 km
 - 2. 15 km
 - 3. 24 km
 - 4. 20 km

Question ID : 65497816160
Chosen Option : 2



Q.21 A and B can do a work in 15 days and 25 days, respectively. They worked together for 5 days, after which B was replaced by C and the remaining work was completed by A and C in the next 4 days. In how many days will C alone complete the same work?

- Ans**
- 1. 24 days
 - 2. 20 days
 - 3. 15 days
 - 4. 25 days

Question ID : 65497816159
Chosen Option : 2

Q.22 At what rate per cent per annum will ₹4,800 amount to ₹5,547 in two years if the interest is compounded annually?

- Ans**
- 1. 7.5%
 - 2. 7%
 - 3. 8.5%
 - 4. 8%

Question ID : 65497816171
Chosen Option : 1

Q.23 The mean of 25 numbers is 14. If 3 is added to every number, what will be the new mean?

- Ans**
- 1. 18
 - 2. 17
 - 3. 15
 - 4. 14

Question ID : 65497816173
Chosen Option : 2

Q.24 Walking at $\frac{3}{5}$ of his usual speed, a man covers a certain distance in one hour and 40 minutes more than the time he takes to cover the distance at his usual speed. The time taken by him to cover the same distance at his usual speed is:

- Ans**
- 1. $\frac{7}{2}$ hours
 - 2. $\frac{3}{2}$ hours
 - 3. $\frac{5}{2}$ hours
 - 4. $\frac{5}{3}$ hours

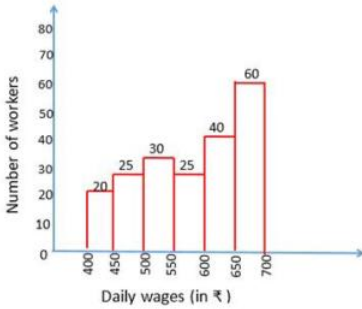
Question ID : 65497816161
Chosen Option : 3



Q.25 Study the graph and answer the question given below.

The given graph represents the number of workers getting daily wages (in ₹).

Total number of workers = 200



What is the difference between the percentage of workers whose daily wages are less than ₹500 and the percentage of workers whose daily wages are ₹600 and above?

- Ans**
- 1. 25%
 - 2. 27%
 - 3. 30%
 - 4. 27.5%

Question ID : 65497816182

Chosen Option : 4



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