Section : **Numerical Aptitude**

Q.1 The data below shows the number of wickets taken by each bowler and the number of bowlers who took them.

Number of Wickets per bowler	Number of Bowlers
5	2
4	3
3	4
2	5
1	9

What is the median of the number of wickets?

Ans ✗ 1. 3

✔ 2. 2

✗ 3. 4

✗ 4. 2.5

Q.2 If the discount offered on an article is 40%, then what will be the ratio of selling price and marked price?

Ans ✗ 1. 2 : 5

✗ 2. 4 : 7

✗ 3. 5 : 8

✔ 4. 3 : 5

Q.3 The ratio (by volume) of milk and water in a mixture is 2 : 1. If we add 12 litres of water in the mixture, then the ratio of milk and water becomes 4 : 3.What is the quantity of water in the new mixture?

Ans ✗ 1. 84 litres

✗ 2. 24 litres

✗ 3. 48 litres

✔ 4. 36 litres

Q.4 Ajay sold an article for ₹84 at a loss of 30%. If he sells the same article at ₹120, then what will be his profit or loss percentage?

Ans ✗ 1. 10% loss

✗ 2. 15% loss

✗ 3. 20% profit

✔ 4. No profit no loss

Q.5 A sum of ₹900 is invested at compound interest (compounded annually) for 2 years. If the rate of interest is 10% per annum, then what will be the amount?
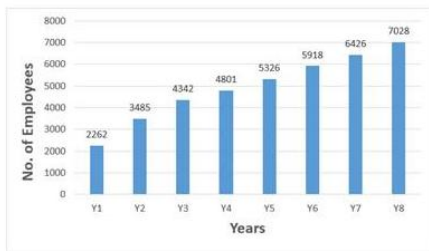
Ans ✗ 1. ₹1071

✔ 2. ₹1089

✗ 3. ₹1289

✗ 4. ₹1121

Q.6 The Bar graph shown below presents the number of employees in an office during eight consecutive years.

What is the average number of employees per year?

Ans ✗ 1. 5148.5

✗ 2. 5348.5

✗ 3. 5548.5

✔ 4. 4948.5

Q.7 A takes 10 minutes more than B in covering a certain distance. If their speeds are in the ratio of 3 : 4, then what is the time taken by B to cover the same distance?

Ans ✗ 1. 40 minutes

✔ 2. 30 minutes

✗ 3. 50 minutes

✗ 4. 20 minutes

Q.8 C and D together can make a chair in 4 days and C alone can make this chair in 12 days. In how many days D alone can make this chair?

Ans

✗ 1. 10 days

✔ 2. 6 days

✗ 3. 4 days

✗ 4. 8 days

Q.9 If the lengths of the diagonals of a rhombus are 24 cm and 18 cm, then what is the area of the rhombus?

Ans

✗ 1. $196 \ cm^2$

✗ 2. $188 \ cm^2$

✗ 3. $204 \ cm^2$

✔ 4. $216 \ cm^2$

Q.10 The simple interest on a certain sum for two years is ₹1000 at the rate of 10% per annum. What is the amount after these two years?

Ans

✗ 1. ₹6500

✔ 2. ₹6000

✗ 3. ₹7000

✗ 4. ₹5500

Q.11 If V1 : V2 = 1 : 2 and V1 + V2 = 147, then what is the value of V2 − V1?

Ans

✗ 1. 48

✗ 2. 56

✗ 3. 98

✔ 4. 49

Q.12 The average of 36, 28, 43, 56, 74, 65, 12 and x is 45. What is the value of x?

Ans

✗ 1. 48

✗ 2. 42

✗ 3. 44

✔ 4. 46

Q.13 If the Least Common Multiple of 56, 57 and 58 is K, then what will be the Least Common Multiple of 56, 57, 58 and 59?

Ans
- ✗ 1. 177 K
- ✓ 2. 59 K
- ✗ 3. 56 K
- ✗ 4. 57 K

Q.14 ₹975 is distributed among Anuj, Bharat and Shekhar. The proportion of their shares is 3 : 4 : 8, respectively. What is the share of Bharat?

Ans
- ✗ 1. ₹198
- ✓ 2. ₹260
- ✗ 3. ₹296
- ✗ 4. ₹280

Q.15 320 is how much percentage less than 400?

Ans
- ✓ 1. 20%
- ✗ 2. 18%
- ✗ 3. 12%
- ✗ 4. 15%

Q.16 Two articles were sold of ₹2400 each by a shopkeeper. The shopkeeper incurred no profit and no loss on the whole transaction. If one of the two articles sold at a profit of 20%, then what was the loss incurred on the other article?

Ans
- ✗ 1. ₹600
- ✓ 2. ₹400
- ✗ 3. ₹380
- ✗ 4. ₹240

Q.17 The base and hypotenuse of a right angled triangle are 9 cm and 41 cm respectively. What is the area of the triangle?

Ans
- ✓ 1. 180 cm^2

✗ 2. 170 cm²

✗ 3. 190 cm²

✗ 4. 160 cm²

Q.18 The Bar graph shown below presents the number of employees in an office during eight consecutive years.
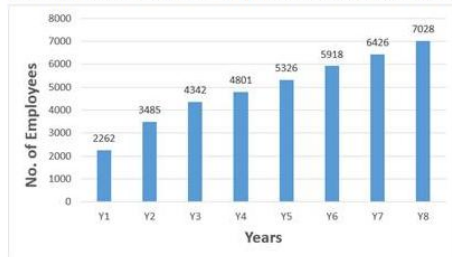
What is the growth percentage in the number of employees from Y5 to Y6?

Ans

✗ 1. 10.00

✗ 2. 11.96

✔ 3. 11.11

✗ 4. 12.04

Q.19 If Dev can make 40 chairs in 20 days, working 10 hours per day then in how many days can he make 10 chairs working 8 hours per day?

Ans

✗ 1. 8

✗ 2. 6

✔ 3. $6\frac{1}{4}$

✗ 4. $7\frac{1}{2}$

Q.20 What is the area of the largest square which can be inscribed in a circle of radius 28 cm?
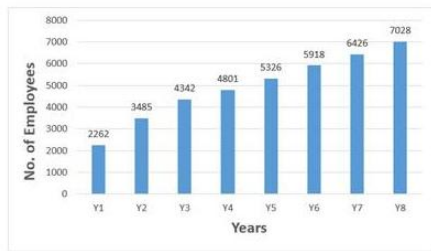
Ans

✗ 1. 3136 cm²

✔ 2. 1568 cm²

✗ 3. 784 cm²

✗ 4. 196 cm²

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Status : **Not Answered**

Chosen Option : --

Q.21 The Bar graph shown below presents the number of employees in an office during eight consecutive years.

The number of employees in year Y2 is how much percent less than average number of employees per year?

Ans

✔ 1. 29.57%

✘ 2. 23.57%

✘ 3. 41.54%

✘ 4. 35.57%

Q.22 What is the value of

$$\left(1 + \frac{3}{4}\right) \times \frac{3}{21} \; of \; 5\frac{1}{3} \div \frac{128}{49} + \frac{2}{3} \times \frac{7}{11} \times \frac{121}{49} \div \left(\frac{15}{14} - \frac{2}{7}\right)?$$

Ans

✘ 1. $\dfrac{69}{25}$

✘ 2. $\dfrac{62}{29}$

✘ 3. $\dfrac{57}{41}$

✔ 4. $\dfrac{59}{32}$

Q.23 The average age of a group of 20 men is 30 years. A 50 year old man leaves the group, while a woman joins the group. The average age decreases by 1 year. What is the age of the woman?

Ans

✘ 1. 40 years

✔ 2. 30 years

✘ 3. 35 years

✘ 4. 38 years

Q.24 A train moves at the speed of 80 km/h and crosses a platform in 0.75 minutes. If the length of the train is equal to the length of the platform, then what is the length of the platform?

Ans

✘ 1. 400 m

❌ 2. 480 m

❌ 3. 450 m

✅ 4. 500 m

Q.25 If A = 2 ÷ 3 × 4, B = 3 of 4 + (7 - 2) and C = 4 + 5 − 6, then what is the value of A + B + C?

Ans

❌ 1. $\dfrac{85}{3}$

❌ 2. $\dfrac{79}{3}$

❌ 3. $\dfrac{59}{3}$

✅ 4. $\dfrac{68}{3}$

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