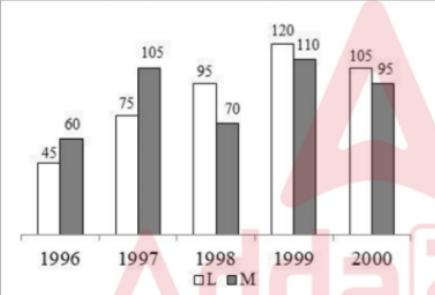


- Q.1 The bar graph given below shows the production of paper (in lakh tonnes) by two different companies L and M for the given years.



J1 = Average production by company L from 1996 to 2000

J2 = Average production by company M from 1996 to 1999

What is the value of $J_1 - J_2$?

Ans 1. 1.75

2. 1.5

3. 2.75

4. 2.25

Question ID : 54062622005

Status : Answered

Chosen Option : 1



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- Q.2 8 men or 12 boys can complete a work in 192 days. 24 men and 28 boys will complete the same work in how many days?

Ans 1. 36 days

2. 92 days

3. 48 days

4. 72 days

Question ID : 54062621998

Status : Answered

Chosen Option : 1

- Q.3 The simple interest received on a sum at the rate of 4 percent per annum is $\frac{3}{5}$ of the sum. What is the time period?

Ans 1. 10 years

2. 20 years

3. 12 years

4. 15 years

Question ID : 54062621993

Status : Answered

Chosen Option : 4

- Q.4 If Rs. 4000 becomes Rs. 5760 in 2 years at compound interest (compounded annually), then what is the annual rate of interest?

Ans 1. 25 percent

2. 10 percent

3. 15 percent

4. 20 percent

Question ID : 54062621994

Status : Answered

Chosen Option : 4

- Q.5 A man earns a profit of 10 percent by selling a mobile for a certain price. If he sells that mobile at double the price, then what will be the profit percentage?

Ans 1. 20 percent

2. 110 percent

3. 120 percent

4. 140 percent

Question ID : 54062621989

Status : Answered

Chosen Option : 3

- Q.6 If a boy runs at the speed of 20 km/hr and crosses a bridge in 15 minutes, then what is the length of the bridge?

Ans 1. 5000 metres

2. 10000 metres

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- Q.7 B is 25 percent more than C and C is 73 percent less than D. If B is 729, then what is the value of D?

- Ans 1. 2100
 2. 2610
 3. 2160
 4. 2660

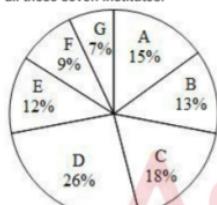
Question ID : 54062621987
 Status : Answered
 Chosen Option : 3

- Q.8 A group of boys has an average weight of 44 kg. One boy weighing 50 kg leaves the group and another boy weighing 40 kg joins the group. If now the average weight of group is 42 kg, then how many boys are there in the group?

- Ans 1. 4
 2. 7
 3. 9
 4. 5

Question ID : 54062621985
 Status : Answered
 Chosen Option : 4

- Q.9 The pie chart given below shows the number of students in seven different institutes in a town. Total number of students in all the seven institutes is 168000. The number of students in a particular institute is shown as a percent of total number of students in all these seven institutes.



Which of the following statement(s) is/are correct?

- I. Number of students in Institute A and B together is 20160 more than the number of students in institute F and G together.
 II. Ratio of number of students in Institute A to the number of students in Institute C is 6 : 5 respectively.

- Ans 1. Neither I nor II
 2. Both I and II
 3. Only I
 4. Only II

Question ID : 54062622001
 Status : Answered
 Chosen Option : 3

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- Q.10 If $X : Y = 5 : 4$, then what is the value of $X + Y : Y$?

- Ans 1. 7 : 4
 2. 9 : 5
 3. 4 : 5
 4. 9 : 4

Question ID : 54062621991
 Status : Answered
 Chosen Option : 4

- Q.11 Three metallic cubes whose sides are 15 cm, 20 cm and 25 cm respectively are melted and converted into a single cube. If there is no loss of metal in this process, then what is the length of the side of the new cube?

- Ans 1. 24 cm
 2. 32 cm
 3. 30 cm
 4. 28 cm

Question ID : 54062622000
 Status : Answered
 Chosen Option : 3

- Q.12 X, Y and Z together can complete a work in 15 days. X and Y together can complete the

Q.12 X, Y and Z together can complete a work in 15 days. X and Y together can complete the same work in 30 days. Z alone can finish the same work in how many days?

- Ans 1. 45 days
 2. 35 days
 3. 30 days
 4. 40 days

Question ID : 54062621997
Status : Answered
Chosen Option : 3

Q.13 Rahul spends some part of his income and saves the remaining part. The ratio of his expenditure and saving is 3 : 4 respectively. If Rahul's income is Rs. 56000, then what will be his expenditure?

- Ans 1. Rs. 16000
 2. Rs. 32000
 3. Rs. 24000
 4. Rs. 8000

Question ID : 54062621992
Status : Answered
Chosen Option : 3



Q.14 Table given below shows the cost price and selling price of five different articles.

	Cost price	Selling price
A	350	400
B	280	340
C	215	245
D	270	330
E	330	390

$$\text{Profit\%} = \left(\frac{\text{Selling price} - \text{Cost price}}{\text{Cost price}} \right) \times 100$$

Which of the following is correct order of profit percentage?

- Ans 1. C < A < E < B < D
 2. E < B < A < C < D
 3. A < E < B < C < D
 4. B < C < D < A < E

Question ID : 54062622003
Status : Answered
Chosen Option : 1

Q.15 Mohan bought a new car from the showroom and after one year he sold it to Shyam at a profit of 20 percent. Shyam sold the same car to Sumit at the loss of 30 percent. Finally Sumit paid Rs. 67200 for this car. At what price Mohan bought the car?

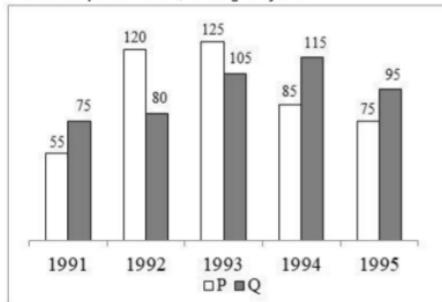
- Ans 1. Rs. 72000
 2. Rs. 85000
 3. Rs. 80000
 4. Rs. 88000

Question ID : 54062621990
Status : Answered
Chosen Option : 3

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- Q.16** The bar graph given below shows the production of sugar (in lakh tonnes) by two different companies P and Q for the given years.



J1 = percentage increase in production of sugar of company P from 1991 to 1995

J2 = percentage increase in production of sugar of company Q from 1992 to 1994

What is the value of J1 + J2?

Ans

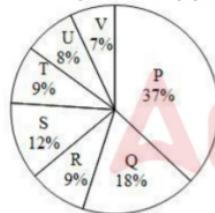
- 1. 86.22 percent
- 2. 48 percent
- 3. 80.11 percent
- 4. 76.11 percent

Question ID : 54062622004

Status : Answered

Chosen Option : 3

- Q.17** The pie chart given below shows the population of seven villages in 2005. Total population of all the seven villages is 137000. Population in a particular village is shown as a percent of total population in all these seven villages.



Which of the following statement(s) is/are correct?

- I. Population of village S is 33.33 percent more than the population of village R.
- II. If population of village S increases by 20 percent in 2006 then population in 2006 will be 19728.

Ans

- 1. Neither I nor II
- 2. Both I and II
- 3. Only I
- 4. Only II

Question ID : 54062622002

Status : Answered

Chosen Option : 2

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- Q.18** In a division the quotient is 12, the divisor is 15 and the remainder is 7. What is the dividend?

Ans

- 1. 187
- 2. 190
- 3. 180
- 4. 197

Question ID : 54062621983

Status : Answered

Chosen Option : 1

- Q.19** Ram makes four trips of equal distances. His speed on first trip was 120 km/hr and in each subsequent trip his speed was half of the previous trip. What is the average speed of Ram in these four trips?

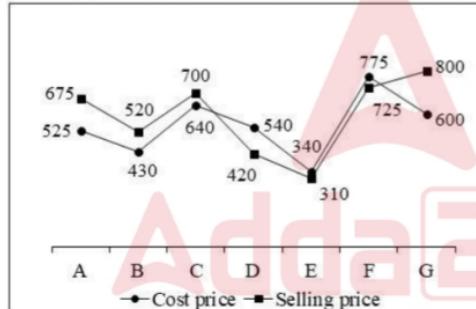
Ans

- 1. 16 km/hr
- 2. 32 km/hr
- 3. 64 km/hr
- 4. 35 km/hr

Question ID : 54062621996

Status : Answered

Q.20 The line chart given below shows the cost price and selling price of 7 articles.



$$[\text{Profit / loss \%}] = \frac{[\text{Profit / loss}]}{\text{Cost price}} \times 100$$

J1 = Average cost price per article
J2 = Total value of profit earned on article A, B and C
What is the respective ratio of J1 and J2?

Ans 1. 11 : 6

2. 6 : 13

3. 13 : 6

4. 5 : 13

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Q.21 The average height of two men P and Q is 167 cm. Another man R Joins them and the average height of P, Q and R becomes 162 cm. If another man S whose height is 17 cm more than that of R replaces P, then the average height of Q, R and S becomes 157 cm. What is the height of P?

Ans 1. 180 cm

2. 184 cm

3. 183 cm

4. 182 cm

Q.22 L's income is 125 percent of M's income and L's expenditure is 120 percent of M's expenditure. If L's income is 180 percent of M's expenditure, then what is the respective ratio of L's savings and M's savings?

Ans 1. 12 : 5

2. 17 : 23

3. 5 : 9

4. 15 : 11

Q.23 The length of the side of a cube is 7 cm. What is the total surface area of the cube?

Ans 1. 204 cm²

2. 294 cm²

3. 225 cm²

4. 192 cm²

Q.24 What least number must be subtracted from 5224 to get a number exactly divisible by 43?

Ans 1. 23

2. 33

3. 21

4. 37

Section : Numerical Ability

Q.1 The ratio of two numbers is 4 : 3. If both numbers are increased by 4, then the ratio becomes 5 : 4. What is the sum of two numbers?

Ans 1. 24

2. 26

3. 12

4. 28

Question ID : 2752289251
Status : Answered
Chosen Option : 4

Q.2 If Vikas can complete $\frac{4}{5}$ of a work in 32 days, then Vikas will complete $\frac{1}{10}$ of the same work in how many days?

Ans 1. 7 days

2. 4.5 days

3. 4 days

4. 6 days

Question ID : 2752289257
Status : Answered
Chosen Option : 3

Q.3 A solid sphere of diameter 4.9 cm is cut into two equal halves. What will be the increase in its total surface area?

Ans 1. 33.57 cm^2

2. 29.93 cm^2

3. 42.26 cm^2

4. 37.73 cm^2

Question ID : 2752289260
Status : Answered
Chosen Option : 4



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Q.4 Marked price of an article is Rs. 1800.
 S_1 = Selling price after a single discount of 50 percent.
 S_2 = Selling price after two successive discounts of 40 percent and 20 percent.
What is the value of $S_1 - S_2$?

Ans 1. Rs. 36

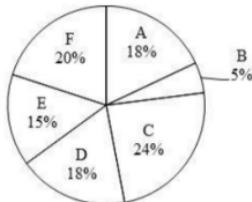
2. Rs. 48

3. Rs. 30

4. Rs. 40

Question ID : 2752289246
Status : Answered
Chosen Option : 1

Q.5 The pie chart given below shows marks obtained by a student in six different subjects A, B, C, D, E and F. Total marks obtained by the student is 540. Marks in a particular subject is shown as a percent of total marks in all these six subjects.



Which of the following statement(s) is/are correct?

- I. Sum of the marks scored in subjects A and B is 27 more than the marks scored in subject D.
- II. Ratio of marks obtained in subject A to marks obtained in subject C is 3 : 4 respectively.

Ans 1. Neither I nor II

2. Only II

3. Both I and II

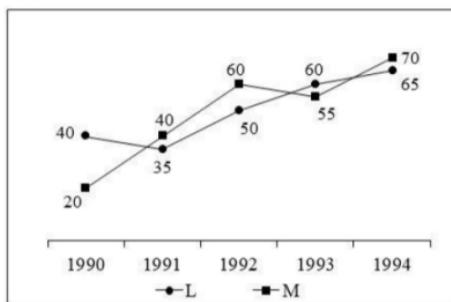
4. Only I

Question ID : 2752289263
Status : Answered
Chosen Option : 3

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- Q.6 The line chart given below shows the revenue of two companies L and M for the given years.



Profit = Revenue – Expenditure

$$\text{Percentage profit} = \frac{\text{Revenue} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

If in the year 1993 company L had a profit of 20 percent, then what was its expenditure in the year 1993?

- Ans 1. 45
 2. 50
 3. 35
 4. 40

Question ID : 2752289265

Status : Answered

Chosen Option : 2

- Q.7 A dealer sells two machines at the rate of Rs. 12000 per machine. On one he earns a profit of 20 percent and on the other he loses 20 percent. What is his profit/loss percentage in the whole transaction?

- Ans 1. 4 percent profit
 2. 6 percent loss
 3. 4 percent loss
 4. 6 percent profit

Question ID : 2752289249

Status : Answered

Chosen Option : 3

- Q.8 A man distributed an amount among his 4 sons, 3 daughters and 6 nephews in the ratio of 5 : 4 : 3 respectively. If each daughter gets an amount of Rs. 2400, then what is the total amount that all the nephews got?

- Ans 1. Rs. 1800
 2. Rs. 4800
 3. Rs. 4500
 4. Rs. 5400

Question ID : 2752289252

Status : Answered

Chosen Option : 4

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- Q.9 On an article, the profit earned is 200 percent of the cost price. If the cost price increases by 50 percent but the selling price remains same, then what will be the new profit percentage?

- Ans 1. 120 percent
 2. 150 percent
 3. 200 percent
 4. 100 percent

Question ID : 2752289250

Status : Answered

Chosen Option : 4

- Q.10 Anuj and Kamal leaves from Delhi and Gwalior respectively towards each other at the same time. Anuj and Kamal meet at Mathura and then after meeting each other they take 144 minutes and 196 minutes respectively to reach their destinations Gwalior and Delhi. If speed of Anuj is 28 km/hr, then what is the speed of Kamal?

- Ans 1. 32 km/hr
 2. 24 km/hr
 3. 28 km/hr
 4. 20 km/hr

Question ID : 2752289256

Status : Answered

Chosen Option : 2

Q.11 Simple interest on a sum for 5 years is equal to 20 percent of the principal. In how many years interest will be equal to the principal?

- Ans 1. 30 years
 2. 40 years
 3. 25 years
 4. 35 years

Q.12 How much amount will be received on a principal of Rs. 13500 at the rate of 20 percent per annum compounded annually for 2 years?

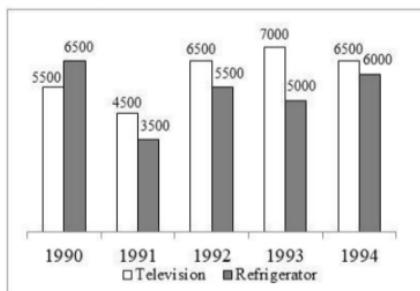
- Ans 1. Rs. 20220
 2. Rs. 18420
 3. Rs. 19720
 4. Rs. 19440



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Q.13 The bar graph given below shows the production of television and refrigerator in a factory for given years.



Which of the following statement(s) is/are correct?

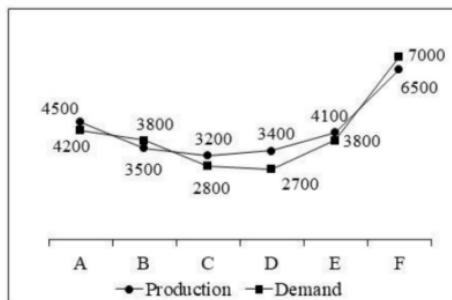
- I. Production of refrigerator in 1993 is 11.11 percent more than the production of television in 1991.
II. Average production of television during 1990-1994 is 5000.

- Ans 1. Only II
 2. Only I
 3. Both I and II
 4. Neither I nor II

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Q.14 The line chart given below shows the demand and production of six different companies A, B, C, D, E, and F.



Which of the following statement(s) is/are correct?

- Difference between the average production and average demand is 150.
- Ratio of number of companies having more demand than production to the number of companies having more production than demand is 2 : 1 respectively.

Ans 1. Both I and II

2. Only I

3. Neither I nor II

4. Only II

Question ID : 2752289264

Status : Answered

Chosen Option : 2

Q.15 The speed of a car is 80 km/hr for first 4 hours and 30 km/hr for the next 2 hours. What is the total distance covered by the car?

Ans 1. 380 km

2. 350 km

3. 420 km

4. 320 km

Question ID : 2752289255

Status : Answered

Chosen Option : 1

Q.16 If 35 percent of P is equal to 60 percent of Q and Q is $\frac{2}{3}$ percent of P, then what is the value of z?

Ans 1. 185

2. 165

3. 175

4. 155

Question ID : 2752289247

Status : Answered

Chosen Option : 3

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Q.17 Working 2 hours per day, R1 alone can complete a work in 6 days. Working 5 hours per day, R2 alone can complete the same work in 4 days. Working 3 hours per day, in how many days both R1 and R2 together can complete the same work?

Ans 1. 5 days

2. 2.5 days

3. 7 days

4. 3.5 days

Question ID : 2752289258

Status : Answered

Chosen Option : 2

Q.18 The table given below shows the number of males, females and children in six different states.

States	Males	Females	Childrens
S1	13200	9200	5400
S2	15200	7500	2500
S3	9500	4500	3700
S4	10500	8500	2250
S5	19500	15400	3250
S6	22250	16350	3500

Total population = No. of males + No. of females + No. of childrens

Which of the following is the correct sequence of total population?

Ans 1. S3 < S4 < S2 < S5 < S1 < S6

2. S3 < S4 < S2 < S1 < S5 < S6

3. S4 < S3 < S2 < S1 < S6 < S5

4. S1 < S2 < S3 < S4 < S5 < S6

Question ID : 2752289262
 Status : Answered
 Chosen Option : 2

Q.19 If a positive number is decreased by 5, then it becomes equal to the 24 times of the reciprocal of the original number. What is the original number?

- Ans 1. 3
 2. 4
 3. 5
 4. 8

Question ID : 2752289244
 Status : Answered
 Chosen Option : 4

Q.20 If the sum of a number and its square is 156, then what is the number?

- Ans 1. 14
 2. 12
 3. 11
 4. 13

Question ID : 2752289243
 Status : Answered
 Chosen Option : 2



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Q.21 Eleven friends spent Rs. 24 each on a tour and the twelfth friend spent Rs. 22 less than the average expenditure of all twelve of them. What is the total money spent by them?

- Ans 1. Rs. 290
 2. Rs. 264
 3. Rs. 278
 4. Rs. 270

Question ID : 2752289245
 Status : Answered
 Chosen Option : 2

Q.22 The table given below shows the number of calculators sold by seven companies in a month.

Companies	Number of Calculators
A	1225
B	1275
C	1445
D	2375
E	2915
F	3285
G	4025

Which of the following statement(s) is/are correct?

- I. The ratio of number of calculators sold by company A to the number of calculator sold by company G is 7 : 23 respectively.
- II. The ratio of number of calculators sold by company A to the number of calculator sold by company B is 17 : 29 respectively.

- Ans 1. Only II
 2. Both I and II
 3. Neither I nor II
 4. Only I

Question ID : 2752289261
 Status : Answered
 Chosen Option : 4

Q.23 Length, breadth and height of a cuboid are 3 cm, 6 cm and 10 cm respectively. What is the total surface area of the cuboid?

- Ans 1. 256 cm²
 2. 196 cm²
 3. 216 cm²
 4. 144 cm²

Question ID : 2752289259
 Status : Answered
 Chosen Option : 3

Q.24 Aman has appeared in two exams. He scored 420 marks in first exam out of 600 marks. If he got overall 70 percent marks, then how much percentage he had scored in second examination out of 500?

- Ans 1. 60
 2. 70
 3. 65
 4. 80

Question ID : 2752289248
 Status : Answered
 Chosen Option : 2

Section : Numerical Ability

Q.1 2/5 of marked price is equal to 3/4 of selling price. What is the discount percent?

- Ans 1. 25
 2. 46.66
 3. 50
 4. 66.67

Question ID : 54062622105
 Status : Answered
 Chosen Option : 2

Q.2 Speed of a boat along the stream and against the stream is 20 km/hr and 18 km/hr respectively. What is the speed of the boat in still water?

- Ans 1. 17 km/hr
 2. 12 km/hr
 3. 19 km/hr
 4. 15 km/hr

Question ID : 54062622115
 Status : Answered
 Chosen Option : 3

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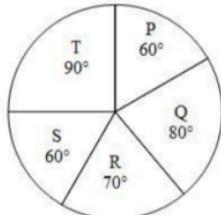
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Q.3 The pie chart given below shows marks obtained by a student in five different subjects P, Q, R, S and T. Total marks obtained by the student is 540. Marks in a particular subject is shown in terms of degree with respect to the total marks in all these five subjects.



Which of the following statement(s) is/are correct?

- I. The subject in which the student scored 105 marks is R.
- II. The difference of marks between Q and S is same as difference of marks between T and R.

- Ans 1. Only I
 2. Only II
 3. Neither I nor II
 4. Both I and II

Question ID : 54062622121
 Status : Answered
 Chosen Option : 4

Q.4 Ratio of the marked price of a trouser and a jacket is 5 : 7 respectively. The shopkeeper gives 30 percent discount on the trouser. If the total discount offered on both of them together is 50 percent, then what is the discount percentage offered on the jacket?

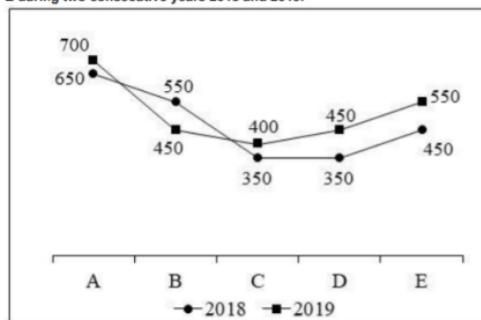
- Ans 1. 65
 2. 64.28
 3. 60.76
 4. 34.68

Question ID : 54062622106
 Status : Answered
 Chosen Option : 2

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- Q.5 The line chart given below shows the sales of shoes by five companies A, B, C, D and E during two consecutive years 2018 and 2019.



Total sales of shoes by company A and D together for two years is what percent of the total sales of shoes by company B and C together for two years?

- Ans 1. 101.11
 2. 127.46
 3. 122.86
 4. 111.11

Question ID : 54062622126

Status : Answered

Chosen Option : 3

- Q.6 The total population of a town is 18000. The male population increases by 70 percent and female population increases by 40 percent. If the total population becomes 27000, then what were the initial number of females in the town?

- Ans 1. 12000
 2. 6000
 3. 3000
 4. 15000

Question ID : 54062622108

Status : Answered

Chosen Option : 1

- Q.7 Ram covers first 45 km at the speed of 15 km/hr. He covers next 40 km at the speed of 20 km/hr. He covers next 60 km at the speed of 30 km/hr. What is the average speed of Ram?

- Ans 1. $145/7$ km/hr
 2. $121/9$ km/hr
 3. $83/3$ km/hr
 4. $96/5$ km/hr

Question ID : 54062622116

Status : Answered

Chosen Option : 1

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- Q.8 Ratio of three numbers is of 7 : 3 : 5. If their sum is 7200, then what is the sum of the largest and the smallest number?

- Ans 1. 5800
 2. 4800
 3. 5760
 4. 4640

Question ID : 54062622111

Status : Answered

Chosen Option : 2

- Q.9 How many solid spherical balls of radius 2 cm can be made by melting a solid hemisphere of radius 4 cm?

- Ans 1. 16
 2. 2
 3. 4
 4. 8

Question ID : 54062622120

Status : Answered

Chosen Option : 3

Question ID : 54062622120
 Status : Answered
 Chosen Option : 3

Q.10 The compound interest (compounding half yearly) received on Rs. 10000 for 2 years is Rs. 10736. What is the rate of interest per annum?

- Ans 1. 40 percent
 2. 20 percent
 3. 35 percent
 4. 22 percent

Question ID : 54062622114
 Status : Answered
 Chosen Option : 1

Q.11 Which of the following is the largest number among?

- Ans 1. $\sqrt{25} - \sqrt{23}$
 2. $\sqrt{23} - \sqrt{21}$
 3. $\sqrt{27} - \sqrt{25}$
 4. $\sqrt{29} - \sqrt{27}$

Question ID : 54062622104
 Status : Answered
 Chosen Option : 2



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Q.12 The ratio of first, second and third numbers is 1 : 2 : 3 respectively. If 30 percent of the first number is 48, then what would be 50 percent of the difference of third and second number?

- Ans 1. 40
 2. 60
 3. 80
 4. 100

Question ID : 54062622107
 Status : Answered
 Chosen Option : 3

Q.13 P, Q and R invested amounts in the ratio 5 : 4 : 10 respectively. If P, Q and R invested amounts at compound interest (compounded annually) at the rate of 20 percent per annum, 25 percent per annum and 10 percent per annum respectively, then what will be the ratio of their amounts after 1 year?

- Ans 1. 6 : 5 : 11
 2. 6 : 7 : 11
 3. 9 : 8 : 3
 4. 6 : 5 : 9

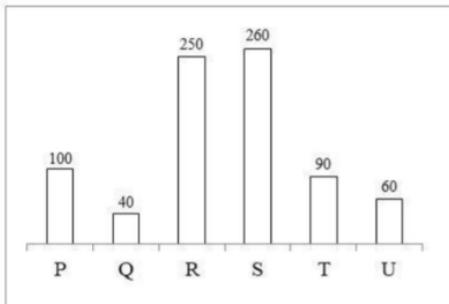
Question ID : 54062622112
 Status : Answered
 Chosen Option : 1

Q.14 Selling price of an article is 5 times of its cost price. If selling price is increased by 50 percent and cost price is increased by 500 percent, then what will be the new profit percentage?

- Ans 1. 150 percent
 2. 50 percent
 3. 25 percent
 4. 250 percent

Question ID : 54062622110
 Status : Answered
 Chosen Option : 2

Q.15 The bar graph given below shows the profit of six companies P, Q, R, S, T and U in 2010.



Which of the following statement(s) is/are correct?

- I. Profit of company S is 4 percent more than the profit of company R.
- II. Profit of company T is 75 percent more than the profit of company U.

Ans 1. Only II

2. Neither I nor II

3. Only I

4. Both I and II

Question ID : 54062622125

Status : Answered

Chosen Option : 3

Q.16 A alone can complete a work in 20 days and S alone can complete the same work in 30 days. They start the work together, but S left the work 5 days before the completion of work. In how many days, will the work completed?

Ans

1. $15\frac{1}{3}$ days

2. 17 days

3. 14 days

4. 20 days

Question ID : 54062622118

Status : Answered

Chosen Option : 3

12/31

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Q.17 The table given below shows the number of cars manufactured by 7 different companies in a month.

Companies	Number of Cars
C1	2600
C2	3200
C3	4200
C4	1800
C5	2200
C6	2800
C7	3500

Which of the following statement(s) is/are correct?

- I. Ratio of number of cars manufactured by company C4 to the number of cars manufactured by company C6 is 9 : 14 respectively.
- II. Average number of cars manufactured by per company is 2900.

Ans 1. Only II

2. Neither I nor II

3. Only I

4. Both I and II

Question ID : 54062622123

Status : Answered

Chosen Option : 4

Q.18 The bar graph given below shows revenues by selling four different products P, Q, R and S by a company for 2018 and 2019.

Q.18 The bar graph given below shows revenues by selling four different products P, Q, R and S by a company for 2018 and 2019.



The total revenue by selling all the four products in 2019 is how much greater than that of 2018?

- Ans 1. 20
 2. 55
 3. 35
 4. 40

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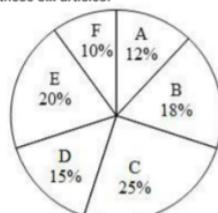
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Q.19 A sum of Rs. 7000 is invested in a scheme of simple interest. The rate of interest in this scheme is 20 percent per annum. If Rs. 1750 interest is obtained, then for how many months is the sum invested?

- Ans 1. 24
 2. 15
 3. 21
 4. 18

Q.20 The pie chart given below shows the expenditure of a family on six different articles A, B, C, D, E and F in a month. Total expenditure on all these six articles is Rs. 42000. Expenditure on a particular article is shown as a percent of total expenditure on all these six articles.



Which of the following statement(s) is/are correct?

- I. Expenditure on article C is Rs. 5560 more than the expenditure on article A.
II. Ratio of expenditure on article A to the expenditure on article D is 5 : 4 respectively.

- Ans 1. Only II
 2. Only I
 3. Both I and II
 4. Neither I nor II

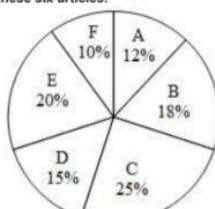
Q.21 Height of a cone is 12 cm and radius of its base is 14 cm. What is the volume of the cone?

- Ans 1. 2872 cm^3
 2. 2692 cm^3
 3. 2248 cm^3
 4. 2464 cm^3

3. 21
 4. 18

Question ID : 54062622113
Status : Answered
Chosen Option : 2

Q.20 The pie chart given below shows the expenditure of a family on six different articles A, B, C, D, E and F in a month. Total expenditure on all these six articles is Rs. 42000. Expenditure on a particular article is shown as a percent of total expenditure on all these six articles.



Which of the following statement(s) is/are correct?

- I. Expenditure on article C is Rs. 5560 more than the expenditure on article A.
II. Ratio of expenditure on article A to the expenditure on article D is 5 : 4 respectively.

Ans 1. Only II
 2. Only I
 3. Both I and II
 4. Neither I nor II

Question ID : 54062622122
Status : Answered
Chosen Option : 4

Q.21 Height of a cone is 12 cm and radius of its base is 14 cm. What is the volume of the cone?

Ans 1. 2872 cm³
 2. 2692 cm³
 3. 2248 cm³
 4. 2464 cm³

Question ID : 54062622119
Status : Answered
Chosen Option : 4

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Q.22 A person loses 20 percent on selling a fan for Rs. 2500. At what price should he sell the fan to earn a profit of 20 percent?

Ans 1. Rs. 3750
 2. Rs. 3600
 3. Rs. 3800
 4. Rs. 3900

Question ID : 54062622109
Status : Answered
Chosen Option : 1

Q.23 If the product of two numbers is 60 and the sum of their squares is 169, then what is the sum of these two numbers?

Ans 1. 17
 2. 13
 3. 19
 4. 15

Question ID : 54062622103
Status : Answered
Chosen Option : 1

Q.24 Sharman is 20 percent less efficient than Vivek. If Vivek can make a helmet alone in 20 days, then in how many days can Sharman alone make the same helmet?

Ans 1. 27 days
 2. 30 days
 3. 25 days
 4. 23 days

Question ID : 54062622117
Status : Answered

Q.1 एक नाव की गति धारा के अनुकूल तथा धारा के प्रतिकूल क्रमशः 20 कि.मी./घंटा तथा 18 कि.मी./घंटा है। स्थिर जल में नाव की गति बता?

- Ans 1. 17 कि.मी./घंटा
 2. 15 कि.मी./घंटा
 3. 19 कि.मी./घंटा
 4. 12 कि.मी./घंटा

Question ID : 54062622115

Status : Answered

Chosen Option : 3

Q.2 4 से.मी. विज्या के एक ठोस अर्धगोले को पिघलाकर 2 से.मी. विज्या की कितनी ठोस गोलाकार गेंद बनाई जा सकती है?

- Ans 1. 2
 2. 8
 3. 16
 4. 4

Question ID : 54062622120

Status : Answered

Chosen Option : 4

Q.3 नीचे दी गई तालिका एक महीने में सात विभिन्न कंपनियों द्वारा निर्वित कारों की संख्या को दर्शाती है।

कंपनी	कारों की संख्या
C1	2600
C2	3200
C3	4200
C4	1800
C5	2200
C6	2800
C7	3500

निम्नलिखित में से कौन सा/से कथन सही है/हैं?

I. कंपनी C4 द्वारा निर्वित कारों की संख्या का कंपनी C6 द्वारा निर्वित कारों की संख्या से क्रमशः अनुपात 9 : 14 है।

II. प्रति कंपनी द्वारा निर्वित कारों की औसत संख्या 2900 है।

- Ans 1. तथा || दोनों
 2. केवल ॥
 3. केवल ।
 4. ना ही । ना ही ॥

Question ID : 54062622123

Status : Answered

Chosen Option : 1

Q.4 एक पतलून तथा एक जैकेट के अधिकतम मूल्य का अनुपात क्रमशः 5 : 7 है। दुकानदार पतलून पर 30 प्रतिशत की छूट देता है। यदि उन दोनों पर गिलाकर दी गई कुल कूट 50 प्रतिशत है, तो जैकेट पर कितने प्रतिशत की छूट दी गई है?

- Ans 1. 65
 2. 60.76
 3. 64.28
 4. 34.68

Question ID : 54062622106

Status : Answered

Chosen Option : 3

Q.5 P तथा R क्रमशः 5 : 4 : 10 के अनुपात में राशि को निवेश करते हैं। यदि P, Q तथा R राशि को क्रमशः 20 प्रतिशत वार्षिक, 25 प्रतिशत वार्षिक तथा 10 प्रतिशत वार्षिक की दर से चक्रवृद्धि व्याज (वार्षिक संयोजन पर) पर निवेश करते हैं, तो एक वर्ष पश्चात उनको राशियों का अनुपात क्या होगा?

- Ans 1. 6 : 5 : 11
 2. 9 : 8 : 3
 3. 6 : 7 : 11
 4. 6 : 5 : 9

Question ID : 54062622112

Status : Answered

Chosen Option : 1

Q.6 तीन संख्याओं का अनुपात 7 : 3 : 5 है। यदि उनका योग 7200 है, तो अधिकतम तथा न्यूनतम संख्या का योग क्या है?

- Ans 1. 4640
 2. 5760
 3. 4800
 4. 5800

Question ID : 54062622111

Status : Answered

Q.7 7000 रुपये की एक राशि को साधारण व्याज वाली एक योजना में निवेश किया गया है। इस योजना में व्याज की दर 20 प्रतिशत प्रति वर्ष है। यदि 1750 रुपये व्याज प्राप्त हुआ है, तो राशि को कितने महीनों के लिए निवेश किया गया है?

Ans ✘ 1. 21

✗ 2. 18

✗ 3. 24

✓ 4. 15

Question ID : 54062622113

Status : Answered

Chosen Option : 4

Q.8 एक शंकु की ऊँचाई 12 से.मी. है तथा उसके आधार की विलम्ब 14 से.मी. है। शंकु का आयतन क्या है?

Ans ✘ 1. 2248 से.मी.³

✓ 2. 2464 से.मी.³

✗ 3. 2692 से.मी.³

✗ 4. 2872 से.मी.³

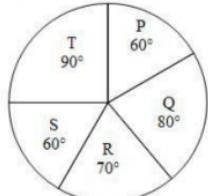
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Question ID : 54062622119

Status : Answered

Chosen Option : 2

Q.9 नीचे दिया गया पाई चार्ट एक छात्र द्वारा पौर्ण विभिन्न विषयों P, Q, R, S तथा T में प्राप्त अंकों को दर्शाता है। छात्र द्वारा कुल प्राप्त अंक 540 है। एक विशिष्ट विषय में अंकों को इन सभी पौर्ण विषयों में कुल अंकों के संदर्भ में डिशी के रूप में दर्शाया गया है।



निम्नलिखित में से कौन सा/से कथन सही है/हैं?

I. जिस विषय में छात्र ने 105 अंक प्राप्त किए हैं, वह R है।

II. Q तथा S के बीच के अंकों का अंतर T तथा R के बीच के अंकों के अंतर के समान है।

Ans ✓ 1. I तथा II दोनों

✗ 2. केवल II

✗ 3. ना ही। ना ही।

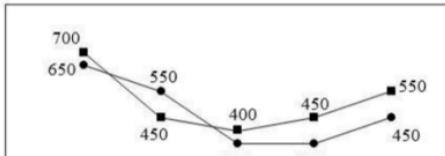
✗ 4. केवल I

Question ID : 54062622121

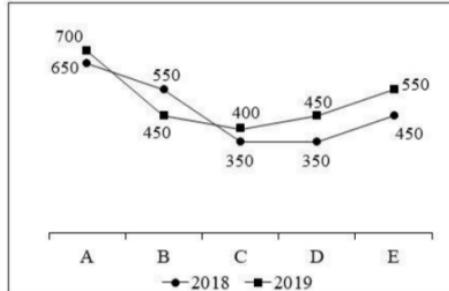
Status : Answered

Chosen Option : 1

Q.10 नीचे दिया गया रेखा चित्र प्रमाणगत दो वर्षों 2018 तथा 2019 के दौरान पौर्ण कंपनियों A, B, C, D तथा E द्वारा जुर्तों की विक्री को दर्शाता है।



Q.10 नीचे दिया गया रेखा चित्र क्रमागत दो वर्षों 2018 तथा 2019 के दौरान पांच कंपनियों A, B, C, D तथा E द्वारा जूतों की विक्री को दर्शाता है।



कंपनी A तथा D द्वारा दो वर्षों के लिए जूतों की कुल विक्री कंपनी B तथा C द्वारा दो वर्षों के लिए जूतों की कुल विक्री का कितना प्रतिशत है?

- Ans 1. 127.46
 2. 101.11
 3. 111.11
 4. 122.86

Question ID : 54062622126

Status : Answered

Chosen Option : 4

Q.11 राम 15 किमी./घंटा की गति से पहले 45 किमी. तय करता है। वह 20 किमी./घंटा की गति से आगले 40 किमी. तय करता है। वह 30 किमी./घंटा की गति से आगले 60 किमी. तय करता है। राम की औसत गति क्या है?

- Ans 1. 96/5 किमी./घंटा
 2. 83/3 किमी./घंटा
 3. 145/7 किमी./घंटा
 4. 121/9 किमी./घंटा

Question ID : 54062622116

Status : Answered

Chosen Option : 3

Q.12 शरमन, विवेक से 20 प्रतिशत कम कार्यक्रमाल है। यदि विवेक अकेले एक हेलमेट 20 दिनों में बना सकता है, तो शरमन अकेले उसे हेलमेट को कितने दिनों में बना सकता है?

- Ans 1. 30 दिन
 2. 25 दिन
 3. 23 दिन
 4. 27 दिन

Question ID : 54062622117

Status : Answered

Chosen Option : 2

Q.13 यदि दो संख्याओं का गुणोंक 60 है तथा उनके वर्ग का योग 169 है, तो इन दो संख्याओं का योग क्या है?

- Ans 1. 19
 2. 17
 3. 13
 4. 15

Question ID : 54062622103

Status : Answered

Chosen Option : 2

Q.14 एक शहर की कुल जनसंख्या 18000 है। पुरुषों की जनसंख्या 70 प्रतिशत से बढ़ जाती है तथा महिलाओं की जनसंख्या 40 प्रतिशत से बढ़ जाती है। यदि कुल जनसंख्या 27000 हो जाती है, तो शहर में महिलाओं की प्राथमिक संख्या क्या थी?

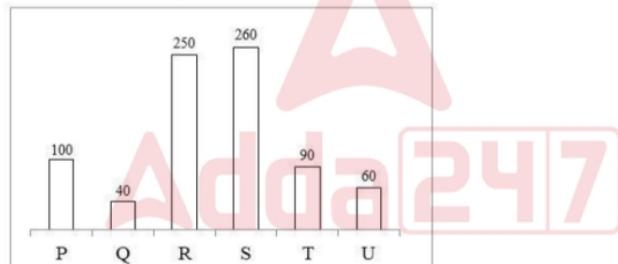
- Ans 1. 15000
 2. 6000
 3. 3000
 4. 12000

Question ID : 54062622108

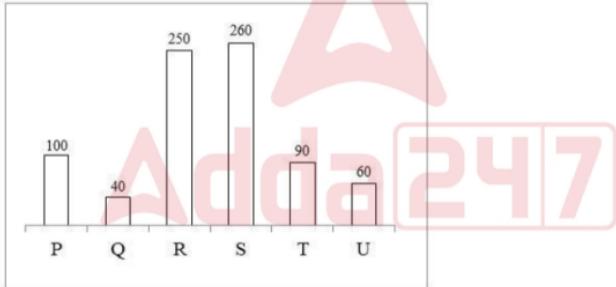
Status : Answered

Chosen Option : 4

Q.15 नीचे दिया गया दण्ड चित्र 2010 में छह कंपनियों P, Q, R, S, T तथा U के लाभ को दर्शाता है।



Q.15 नीचे दिया गया दण्ड चित्र 2010 में छह कंपनियों P, Q, R, S, T तथा U के लाभ को दर्शाता है।



निम्नलिखित में से कौन सा/से कथन सत्ती है/हैं?

- I. कंपनी S का लाभ कंपनी R के लाभ से 4 प्रतिशत अधिक है।
- II. कंपनी T का लाभ कंपनी U के लाभ से 75 प्रतिशत अधिक है।

Ans ✘ 1. ना ही। ना ही॥

✗ 2. तथा॥ दोनों

✗ 3. केवल॥

✓ 4. केवल।

Adda247



Q.16 A अवैले एक कार्य को 20 दिनों में पूरा कर सकता है तथा S अवैले उसी कार्य को 30 दिनों में पूरा कर सकता है। वे साथ गिलकर कार्य करना आरंभ करते हैं परंतु S कार्य पूरा होने से 5 दिन पूर्व कार्य छोड़कर चला जाता है।

कार्य कितने दिनों में पूरा हुआ होगा?

Ans ✓ 1. 14 दिन

✗ 2. 20 दिन

✗ 3. 17 दिन

✗ 4. $15\frac{1}{3}$ दिन

Q.17 निम्नलिखित में से कौन सा सबसे बड़ा है?

Ans ✘ 1. $\sqrt{27} - \sqrt{25}$

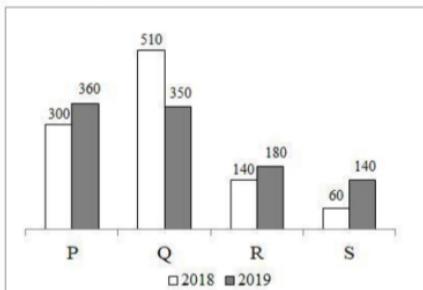
✗ 2. $\sqrt{29} - \sqrt{27}$

✓ 3. $\sqrt{23} - \sqrt{21}$

✗ 4. $\sqrt{25} - \sqrt{23}$

Adda247

Q.18 नीचे दिया गया दण्ड चित्र 2018 तथा 2019 के लिए एक कंपनी द्वारा चार विभिन्न उत्पादों P, Q, R तथा S को बेचने पर राजस्व को दर्शाता है।



वार्ते उत्पादों को बेचने पर कुल राजस्व 2019 में 2018 से कितना अधिक है?

- Ans 1. 35
 2. 55
 3. 20
 4. 40

Question ID : 54062622124

Status : Answered

Chosen Option : 3

Q.19 एक वस्तु का विक्रय मूल्य उसके क्रय मूल्य का 5 गुना है। यदि विक्रय मूल्य को 50 प्रतिशत से बढ़ाया गया है तथा क्रय मूल्य को 500 प्रतिशत से बढ़ाया गया है, तो नया लाभ प्रतिशत क्या होगा?

- Ans 1. 150 प्रतिशत
 2. 250 प्रतिशत
 3. 25 प्रतिशत
 4. 50 प्रतिशत

Question ID : 54062622110

Status : Answered

Chosen Option : 3

Q.20 पहली, दूसरी तथा तीसरी संख्याओं का अनुपात क्रमशः 1 : 2 : 3 है। यदि पहली संख्या का 30 प्रतिशत, 48 है, तो तीसरी तथा दूसरी संख्या के अंतर का 50 प्रतिशत क्या होगा?

- Ans 1. 100
 2. 80
 3. 40
 4. 60

Question ID : 54062622107

Status : Answered

Chosen Option : 2

Q.21 2/5 of marked price is equal to 3/4 of selling price. What is the discount percent?

- Ans 1. 50
 2. 66.67
 3. 46.66
 4. 25

Question ID : 54062622105

Status : Answered

Chosen Option : 3

Q.22 एक व्यक्ति को एक पंखा 2500 रुपये में बेचने पर 20 प्रतिशत की हानि होती है। उसे 20 प्रतिशत का लाभ कमाने के लिए पंखे को किस मूल्य पर बेचना चाहिए?

- Ans 1. 3800 रुपये
 2. 3750 रुपये
 3. 3600 रुपये
 4. 3900 रुपये

Question ID : 54062622109

Status : Answered

Chosen Option : 2

Q.23 नीचे दिया गया पाई चार्ट एक मर्थी में छह विभिन्न वस्तुओं A, B, C, D, E तथा F पर एक परिवार के व्यय को दर्शाता है। इन सभी छह वस्तुओं पर कुल व्यय 42000 रुपये है। एक विशेष वस्तु पर व्यय को इन सभी छह वस्तुओं पर कुल व्यय के प्रतिशत के रूप में दिखाया गया है।



निम्नलिखित में से कौन सा/से कथन सही है?

Q.20 पहली, दूसरी तथा तीसरी संख्याओं का अनुपात क्रमशः 1 : 2 : 3 है। यदि पहली संख्या का 30 प्रतिशत, 48 है, तो तीसरी तथा दूसरी संख्या के अंतर का 50 प्रतिशत क्या होगा?

- Ans 1. 100
 2. 80
 3. 40
 4. 60

Question ID : 54062622107
Status : Answered
Chosen Option : 2



Q.21 2/5 of marked price is equal to 3/4 of selling price. What is the discount percent?

- Ans 1. 50
 2. 66.67
 3. 46.66
 4. 25

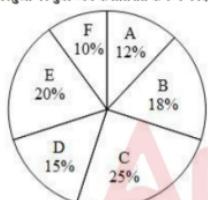
Question ID : 54062622105
Status : Answered
Chosen Option : 3

Q.22 एक व्यक्ति को एक पंखा 2500 रुपये में बेचने पर 20 प्रतिशत की हानि होती है। उसे 20 प्रतिशत का लाभ कमाने के लिए पंखी को किस मूल्य पर बेचना चाहिए?

- Ans 1. 3800 रुपये
 2. 3750 रुपये
 3. 3600 रुपये
 4. 3900 रुपये

Question ID : 54062622109
Status : Answered
Chosen Option : 2

Q.23 नीचे दिया गया पाई चार्ट एक मरीने में छह विभिन्न वस्तुओं A, B, C, D, E तथा F पर एक परिवार के व्यय को दर्शाता है। इन सभी छह वस्तुओं पर कुल व्यय 42000 रुपये है। एक विलिंग वस्तु पर व्यय को इन सभी छह वस्तुओं पर कुल व्यय के प्रतिशत के रूप में दिखाया गया है।



- निम्नलिखित में से कौन सा/से कथन सही है/हैं?
I. वस्तु C पर व्यय वस्तु A पर व्यय से 5560 रुपये अधिक है।
II. वस्तु A पर व्यय का वस्तु D पर व्यय से क्रमशः अनुपात 5 : 4 है।

- Ans 1. केवल I
 2. ना ही। ना ही॥
 3. I तथा II दोनों
 4. केवल II

Question ID : 54062622122
Status : Answered
Chosen Option : 2



Q.24 2 वर्ष के लिए 10000 रुपये पर प्राप्त चक्रवृद्धि व्याज (अर्धवार्षिक संयोजन पर) 10736 रुपये है। प्रतिवार्ष व्याज की दर क्या है?

- Ans 1. 40 प्रतिशत
 2. 20 प्रतिशत
 3. 22 प्रतिशत
 4. 35 प्रतिशत

Question ID : 54062622114
Status : Answered
Chosen Option : 1

Section : Mathematics or Numerical Ability

Q1 40 percent of the cost price of an article is equal to the 30 percent of its selling price. What is the profit percentage?

- Ans ✓ 1. 33.33 percent
✗ 2. 66.66 percent
✗ 3. 30 percent
✗ 4. 50 percent

Question ID : 6306803247

Option 1 ID : 6306801263

Option 2 ID : 6306801263

Option 3 ID : 6306801263

Option 4 ID : 6306801263

Status : Answered

Chosen Option : 1

Q2 The average weight of X, Y and Z is 39 kg. If the average weight of X and Y is 37 kg and the average weight of Y and Z is 33 kg, then what is the weight of Y?

- Ans ✗ 1. 22 kg
✓ 2. 23 kg
✗ 3. 29 kg
✗ 4. 27 kg

Question ID : 6306803247

Option 1 ID : 6306801263

Option 2 ID : 6306801263

Option 3 ID : 6306801263

Option 4 ID : 6306801263

Status : Answered

Chosen Option : 2

Q3 The perimeter of a rectangle is 22 cm and the length is 1 cm. What is the area of the rectangle?

- Ans ✗ 1. 20 cm^2
✓ 2. 10 cm^2
✗ 3. 5 cm^2
✗ 4. 11 cm^2

Question ID : 6306803247

Option 1 ID : 6306801263

Option 2 ID : 6306801263

Option 3 ID : 6306801263

Option 4 ID : 6306801263

Status : Answered

Chosen Option : 2

Q4 If interest is being compounded half yearly, then what sum will amount to Rs. 28561 in 2 years at the rate of 60 percent per annum on compound interest?

- Ans ✗ 1. Rs. 12000
✓ 2. Rs. 10000
✗ 3. Rs. 14700
✗ 4. Rs. 13200

Question ID : 6306803247

Option 1 ID : 6306801263

Option 2 ID : 6306801263

Option 3 ID : 6306801263

Q.5 The angles of a triangle are in the ratio of 3 : 4 : 2. What is the smallest of these three angles?

- Ans 1. 45 degree
 2. 60 degree
 3. 20 degree
 4. 40 degree

Question ID : 63068032478

Option 1 ID : 63068012634

Option 2 ID : 63068012635

Option 3 ID : 63068012636

Option 4 ID : 63068012637

Status : Answered

Chosen Option : 4

Q.6 Rahul makes four trips of equal distances. His speed on first trip was 360 km/hr and in each subsequent trip his speed was half of the previous trip. What is the average speed of Rahul in these four trips?

- Ans 1. 96 km/hr
 2. 90 km/hr
 3. 108 km/hr
 4. 120 km/hr

Question ID : 63068032479

Option 1 ID : 63068012634

Option 2 ID : 63068012635

Option 3 ID : 63068012636

Option 4 ID : 63068012637

Status : Answered

Chosen Option : 1

Q.7 Rajesh alone can do a work in 4 days working 2 hours a day. Arti alone can do the same work in 2 days working 12 hours a day. How many hours do they need to work together in a day to complete the same work in 2 days?

- Ans 1. 2.5 hours
 2. 5 hours
 3. 3 hours
 4. 4.5 hours

Question ID : 63068032477

Option 1 ID : 63068012634

Option 2 ID : 63068012635

Option 3 ID : 63068012636

Option 4 ID : 63068012637

Status : Marked For Review

Chosen Option : 3



Q.8 The speed of a train is 72 km/hr. If the length of the train is 920 metre, then how much time train will take to cross a man standing on the platform?

- Ans 1. $(9/10)$ minutes
 2. $(23/30)$ minutes
 3. $(27/32)$ minutes
 4. $(14/15)$ minutes

Question ID : 63068032477

Option 1 ID : 63068012634

Option 2 ID : 63068012635

Option 3 ID : 63068012636

Option 4 ID : 63068012637

Status : Answered

Chosen Option : 2

Q.9 If the sum of all the interior angles of a polygon is 540 degrees, then the number of diagonals in the polygon will be _____.

- Ans 1. 6
 2. 8
 3. 5
 4. 10

Question ID : 6306803:

Option 1 ID : 6306801:

Option 2 ID : 6306801:

Option 3 ID : 6306801:

Option 4 ID : 6306801:

Status : Answered

Chosen Option : 3

Q.10 How much amount will be received on a principal of Rs. 13500 at the rate of 20 percent per annum compound interest (compounded annually) for 2 years?

- Ans 1. Rs. 19440
 2. Rs. 18420
 3. Rs. 19720
 4. Rs. 20220

Question ID : 6306803:

Option 1 ID : 6306801:

Option 2 ID : 6306801:

Option 3 ID : 6306801:

Option 4 ID : 6306801:

Status : Answered

Chosen Option : 1

Q.11 If p percent of p is 576, then what is the value of p?

- Ans 1. 260
 2. 240
 3. 160
 4. 360

Question ID : 6306803:

Option 1 ID : 6306801:

Option 2 ID : 6306801:

Option 3 ID : 6306801:

Option 4 ID : 6306801:

Status : Answered

Chosen Option : 2

Adda247

Q.12 If $2ab + 2bc + 2ca = 24$ and $a^2 + b^2 + c^2 = 50$ then what is the value of $(a + b + c)^2$?

- Ans 1. 74
 2. 72
 3. 98
 4. 48

Question ID : 6306803:

Option 1 ID : 6306801:

Option 2 ID : 6306801:

Option 3 ID : 6306801:

Option 4 ID : 6306801:

Status : Answered

Chosen Option : 1

Q.13 If $A : B = 3 : 2$, $B : C = 2 : 3$ and $C : D = 4 : 1$, then what is the value of $A : C : D$?

- Ans 1. 4 : 4 : 1

Q.14 3064 रुपये की राशि को P, Q तथा R के बीच इस प्रकार विभाजित किया जाता है कि यदि क्रमशः 16 रुपये, 17 रुपये तथा 15 रुपये P, Q तथा R के हिस्सों में से कम किये जायें, तो उनके हिस्सों का अनुपात 18 : 19 : 21 होगा। R का प्रारंभिक हिस्सा कितना है?

- Ans 1. 1092 रुपये
 2. 1107 रुपये
 3. 672 रुपये
 4. 1208 रुपये

Question ID : 630680

Option 1 ID : 630680

Option 2 ID : 630680

Option 3 ID : 630680

Option 4 ID : 630680

Status : Answer

Chosen Option : 2

Q.15 Two trains are moving in the same direction at the speed of 45 km/hr and 90 km/hr. The time taken by faster train to cross a man sitting in the slower train is 22 seconds. What will be the length of the faster train?

- Ans 1. 315 metres
 2. 275 metres
 3. 225 metres
 4. 345 metres

Question ID : 630680

Option 1 ID : 630680

Option 2 ID : 630680

Option 3 ID : 630680

Option 4 ID : 630680

Status : Answer

Chosen Option : 2

Adda247

Q.16 If $x + \frac{1}{x} = 12$, then what is the value of $x^2 + \frac{1}{x^2}$?

- Ans 1. 146
 2. 144
 3. 140
 4. 142

Question ID : 630680

Option 1 ID : 630680

Option 2 ID : 630680

Option 3 ID : 630680

Option 4 ID : 630680

Status : Answer

Chosen Option : 4

Q.17 दीपक का बेतन राजू के बेतन से 20 प्रतिशत अधिक है। यदि दीपक 18000 रुपये बचाता है जो उसके बेतन का 48 प्रतिशत है, तो राजू का बेतन कितना है?

- Ans 1. 32250 रुपये
 2. 31520 रुपये
 3. 30520 रुपये
 4. 31250 रुपये

Question ID : 630680

Option 1 ID : 630680

Option 2 ID : 630680

Option 3 ID : 630680

Option 4 ID : 630680

Q.18 A merchant marks the price of his article 20 percent above the cost price. He gives some discount on it and earns a profit of 10 percent. What is the discount percentage?

- Ans 1. 16.67 percent
 2. 9.09 percent
 3. 11.11 percent
 4. 8.33 percent



Q.19 What is the value of $\frac{\sin 27^\circ \times \cos 68^\circ}{\sin 22^\circ \times \cos 63^\circ}$?

- Ans 1. 1
 2. 2
 3. 0
 4. $\frac{1}{2}$

Q.20 Mode = 66 and Median = 42. Find mean using empirical relation.

- Ans 1. 26
 2. 66
 3. 30
 4. 54

Chosen Option : 4

- Q.21** The Least Common Multiple of three different numbers is 80. Which of the following cannot be their Highest Common Factor?

- Ans 1. 10
 2. 6
 3. 40
 4. 20

Question ID : 6306803

Option 1 ID : 6306801

Option 2 ID : 6306801

Option 3 ID : 6306801

Option 4 ID : 6306801

Status : Marked

Chosen Option : 3

- Q.22** What is the value of $\sqrt{0.000036}$?

- Ans 1. 0.6
 2. 0.06
 3. 0.006
 4. 0.08

Question ID : 6306803

Option 1 ID : 6306801

Option 2 ID : 6306801

Option 3 ID : 6306801

Option 4 ID : 6306801

Status : Answered

Chosen Option : 3



- Q.23** Average of 33 numbers is 5. If every number is doubled, then what will be the new average of the numbers?

- Ans 1. 21
 2. 18
 3. 17
 4. 10

Question ID : 6306803

Option 1 ID : 6306801

Option 2 ID : 6306801

Option 3 ID : 6306801

Option 4 ID : 6306801

Status : Answered

Chosen Option : 4

- Q.24** A solid cylinder having radius of base as 21 cm and height as 35 cm is bisected from its height to get two identical cylinders. What will be the percentage increase in the total surface area?

- Ans 1. 28.7 percent
 2. 42.2 percent
 3. 37.5 percent
 4. 32.5 percent

Question ID : 6306803

Option 1 ID : 6306801

Option 2 ID : 6306801

Option 3 ID : 6306801

Option 4 ID : 6306801

Status : Not Attempted

Status : Marked

Chosen Option : --

- Q.25** What is the mean proportion between 12 and 300?

Q.25 What is the mean proportion between 12 and 300?

- Ans ✓ 1. 60
✗ 2. 150
✗ 3. 120
✗ 4. 90

Question ID : 630680324768
Option 1 ID : 6306801263469
Option 2 ID : 6306801263472
Option 3 ID : 6306801263471
Option 4 ID : 6306801263470
Status : Answered
Chosen Option : 1

Q.26 To complete a wall, M alone takes 60 percent more time than N alone. If together they complete the wall in 20 days, then how much time will N alone take to complete it?

- Ans ✗ 1. $(69/2)$ days
✓ 2. $(65/2)$ days
✗ 3. $(67/2)$ days
✗ 4. $(71/2)$ days

Question ID : 630680324777
Option 1 ID : 6306801263506
Option 2 ID : 6306801263507
Option 3 ID : 6306801263508
Option 4 ID : 6306801263505
Status : Answered
Chosen Option : 2

Adda247



Q.27 If the number 963P26Q is divisible by 48, then what is the minimum value of P + Q?

- Ans ✓ 1. 4
✗ 2. 7
✗ 3. 9
✗ 4. 6

Question ID : 630680324760
Option 1 ID : 6306801263439
Option 2 ID : 6306801263437
Option 3 ID : 6306801263440
Option 4 ID : 6306801263438
Status : Answered
Chosen Option : 2

Q.28 A person borrows some money for 2 years at a certain rate of simple interest. If the ratio of principal and total interest is 5 : 2, then what is the annual rate of interest?

- Ans ✗ 1. 27 percent
✗ 2. 25 percent
✗ 3. 24 percent
✓ 4. 20 percent

Question ID : 630680324771
Option 1 ID : 6306801263484
Option 2 ID : 6306801263482
Option 3 ID : 6306801263483
Option 4 ID : 6306801263481
Status : Answered
Chosen Option : 4

Q.29 Three metallic cubes whose sides are 15 cm, 20 cm and 25 cm respectively are melted and converted into a single cube.

If there is no loss of metal in this process, then what is the length of the side of the new cube?

- Ans ✓ 1. 30 cm
✗ 2. 32 cm
✗ 3. 24 cm
✗ 4. 28 cm

Question ID : 630680324783
Option 1 ID : 6306801263532
Option 2 ID : 6306801263530
Option 3 ID : 6306801263531
Option 4 ID : 6306801263529
Status : Answered
Chosen Option : 1

Q.30 What is the value of $2(a + b - c)^2$?

- Ans ✗ 1. $a^2 + b^2 + c^2 + 2ab - 2bc - 2ca$
✓ 2. $2a^2 + 2b^2 + 2c^2 + 4ab - 4bc - 4ca$
✗ 3. $2a^2 + 2b^2 - 2c^2 + 4ab - 4bc - 4ca$
✗ 4. $4a^2 + 4b^2 + 4c^2 + 4ab - 4bc - 4ca$

Question ID : 630680324780
Option 1 ID : 6306801263517
Option 2 ID : 6306801263518
Option 3 ID : 6306801263520
Option 4 ID : 6306801263519
Status : Answered
Chosen Option : 1

Option 1 ID : 6306801194974
Option 2 ID : 6306801194976
Option 3 ID : 6306801194973
Option 4 ID : 6306801194975
Status : Answered
Chosen Option : 3

Q.2 The volume of a right circular cone is 1232 cm^3 and its height is 24 cm. Find its curved surface area.

- Ans 1. 550 cm^2
 2. 1254 cm^2
 3. 704 cm^2
 4. 658 cm^2

Question ID : 630680307194
Option 1 ID : 6306801195037
Option 2 ID : 6306801195040
Option 3 ID : 6306801195039
Option 4 ID : 6306801195038
Status : Answered
Chosen Option : 1



Q.3 Out of four numbers, the average of first three is 15 and that of last three is 18. If last number is 19, find the first number.

- Ans 1. 18
 2. 17
 3. 16
 4. 15

Question ID : 630680307173
Option 1 ID : 6306801194956
Option 2 ID : 6306801194955
Option 3 ID : 6306801194953
Option 4 ID : 6306801194954
Status : Answered
Chosen Option : 4

Q.4 If $a^2 + 4b^2 = 4ab$, then $a : b = ?$

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

Question ID : 630680307179
Option 1 ID : 6306801194977
Option 2 ID : 6306801194980
Option 3 ID : 6306801194979
Option 4 ID : 6306801194978
Status : Answered
Chosen Option : 3

Q.5 The equation $x^3 - 5x^2 - 4x + 20 = 0$ has two roots whose difference is 3 then all the roots of the equation are;

- Ans 1. -2, 2 & 5
 2. -1, 2 & 5
 3. -1, 1 & 2
 4. 0, 1 & 2

Question ID : 630680307190
Option 1 ID : 6306801195023
Option 2 ID : 6306801195021
Option 3 ID : 6306801195022
Option 4 ID : 6306801195024
Status : Answered
Chosen Option : 2

Q.6 If $\tan \alpha = \frac{p}{q}$, then also $\alpha = 6\beta$, α being an acute angle, find the value of:

$$\frac{1}{2} \{ p \csc 2\beta - q \sec 2\beta \}$$

Ans

1. $\sqrt{p^2 q^2}$

2. $\sqrt{p^2 - q^2}$

3. $\sqrt{p^2 + q^2}$

4. $\sqrt{p^2 \div q^2}$

Question ID : 630680307192

Option 1 ID : 6306801195031

Option 2 ID : 6306801195030

Option 3 ID : 6306801195029

Option 4 ID : 6306801195032

Status : Not Attempted and

Chosen Option : --

Q.7 If radii of a sphere, a cylinder and a cone are equal and their whole surface area are equal, then ratio of their heights is:

Ans 1. 2 : 1 : 3

2. 6 : 3 : 4

3. 2 : 1 : $2\sqrt{2}$

4. 3 : 1 : 2

Question ID : 630680307195

Option 1 ID : 6306801195042

Option 2 ID : 6306801195043

Option 3 ID : 6306801195044

Option 4 ID : 6306801195041

Status : Answered

Chosen Option : 1

Q.8 A ball is bought for ₹ 80 and sold at gain of 12%. What will be its selling price?

Ans 1. ₹ 85

2. ₹ 85.6

3. ₹ 89

4. ₹ 89.6

Question ID : 630680307176

Option 1 ID : 63068011949467

Option 2 ID : 63068011949468

Option 3 ID : 63068011949465

Option 4 ID : 63068011949466

Status : Answered

Chosen Option : 4

Q.9 For ₹ 10000 at 10% per annum for 2 years and 3 months, find the compound interest compounded annually.

Ans 1. ₹ 2402.50

2. ₹ 2402

3. ₹ 2402.25

4. ₹ 2400

Question ID : 630680307182

Option 1 ID : 6306801194992

Option 2 ID : 6306801194990

Option 3 ID : 6306801194991

Option 4 ID : 6306801194989

Status : Answered

Chosen Option : 1

Q.10 The common roots of the equations: $x^3 - 6x^2 + 11x - 6 = 0$ and $2x^4 - 7x^3 + x^2 + 7x - 3 = 0$

Ans 1. 1, 3

2. 1, -3

Q.11 If $\sqrt{15} = 3.87$ then evaluate $\left(\frac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}\right)$.

- Ans ✓ 1. 7.87
✗ 2. 5.87
✗ 3. 9.87
✗ 4. 4.87

Question ID : 630680307170
Option 1 ID : 6306801194943
Option 2 ID : 6306801194942
Option 3 ID : 6306801194944
Option 4 ID : 6306801194941
Status : Answered
Chosen Option : 1

Adda247

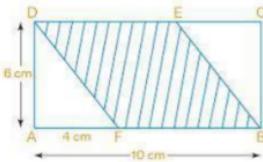


Q.12 The population of a town is 176400. It increases annually at the rate of 5% per annum. What will be population after 2 years?

- Ans ✓ 1. 194481
✗ 2. 194000
✗ 3. 198000
✗ 4. 190000

Question ID : 630680307175
Option 1 ID : 6306801194963
Option 2 ID : 6306801194962
Option 3 ID : 6306801194964
Option 4 ID : 6306801194961
Status : Answered
Chosen Option : 1

Q.13 Find Area of shaded region.



- Ans ✗ 1. 48 cm^2
✓ 2. 36 cm^2
✗ 3. 144 cm^2
✗ 4. 77 cm^2

Question ID : 630680307193
Option 1 ID : 6306801195033
Option 2 ID : 6306801195034
Option 3 ID : 6306801195036
Option 4 ID : 6306801195035
Status : Answered
Chosen Option : 2

Q.14 The expenses on wheat, oil and rice of a family are in the ratio 12 : 17 : 5. The prices of these items are increased by 20%, 30% and 50% respectively. The total increase percent of family's expense is?

- Ans ✓ 1. $\frac{225}{8}\%$
✗ 2. $\frac{401}{8}\%$
✗ 3. $\frac{113}{8}\%$
✗ 4. $\frac{57}{8}\%$

Question ID : 630680307180
Option 1 ID : 6306801194981

Q.15 A sum on compound interest amounts ₹ 2809 in 2 years and ₹ 2977.54 in 3 years. Find the sum.

- Ans 1. ₹ 2400
 2. ₹ 2500
 3. ₹ 2350
 4. ₹ 2250

Question ID : 630680307183
Option 1 ID : 6306801194994
Option 2 ID : 6306801194993
Option 3 ID : 6306801194995
Option 4 ID : 6306801194996
Status : Answered
Chosen Option : 1

Q.16 Mohan sold two same tables for ₹ 57120. On one he gains 15% and on other he loses 15%. Find his overall gain or loss percent.

- Ans 1. 2.25%
 2. 2.27%
 3. 2.15%
 4. 3%

Question ID : 630680307177
Option 1 ID : 6306801194970
Option 2 ID : 6306801194971
Option 3 ID : 6306801194969
Option 4 ID : 6306801194972
Status : Answered
Chosen Option : 1

Q.17 Which is the better offer:

- Three successive discount of 10%, 10% and 30%?
- Or three successive discount of 40%, 5% and 5%?

- Ans 1. Can't be concluded as Marked price is not given
 2. Both are same
 3. 2
 4. 1

Question ID : 630680307184
Option 1 ID : 6306801195000
Option 2 ID : 6306801194999
Option 3 ID : 6306801194998
Option 4 ID : 6306801194997
Status : Answered
Chosen Option : 3

Q.18 A parallelogram has sides 60 m and 40 m and one of its diagonals is 80 m long. Find its area.

- Ans 1. $450\sqrt{15}$ m²
 2. $300\sqrt{15}$ m²
 3. $250\sqrt{15}$ m²
 4. $600\sqrt{15}$ m²

Question ID : 630680307197
Option 1 ID : 6306801195050
Option 2 ID : 6306801195051
Option 3 ID : 6306801195052
Option 4 ID : 6306801195049

Option 1 ID : 6306801195051
Option 2 ID : 6306801195052
Option 3 ID : 6306801195049
Option 4 ID : 6306801195049
Status : Answered
Chosen Option : 2

Q.19 If speed of a bus is increased by 5 km/hr than its normal speed then it would take 2 hours less to complete the journey of 300 km. Find its normal speed (in km/hr)?

- Ans 1. 20
 2. 25
 3. 30
 4. 45

Question ID : 630680307188
Option 1 ID : 6306801195013
Option 2 ID : 6306801195015
Option 3 ID : 6306801195014
Option 4 ID : 6306801195016
Status : Answered
Chosen Option : 2

Q.20 10 women can complete the work in 7 days and 10 children take 14 days to complete the work. How many days will 5 women and 10 children will finish the work?

- Ans 1. 3 days
 2. 5 days
 3. 7 days
 4. 6 days

Question ID : 630680307186
Option 1 ID : 6306801195006
Option 2 ID : 6306801195008
Option 3 ID : 6306801195005
Option 4 ID : 6306801195007
Status : Answered
Chosen Option : 3

Adda247



Q.21 Evaluate.

$$? \% \text{ of } 24 = 0.72$$

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

Question ID : 630680307174
Option 1 ID : 6306801194960
Option 2 ID : 6306801194958
Option 3 ID : 6306801194957
Option 4 ID : 6306801194959
Status : Answered
Chosen Option : 2

Q.22 What annual installment will discharge a debt of ₹ 4600 due in 4 years at 10% per annum simple interest?

- Ans 1. ₹ 925
 2. ₹ 1000
 3. ₹ 875
 4. ₹ 950

Question ID : 630680307181
Option 1 ID : 6306801194986
Option 2 ID : 6306801194988
Option 3 ID : 6306801194985
Option 4 ID : 6306801194987
Status : Answered
Chosen Option : 2

Q.23 Calculate average of the given data.

Q.23 Calculate average of the given data.

Item	Number of items	Cost of items
Rice	2	45
Powder	4	12
Oil	5	15
pen	5	50

- Ans 1. 27.2525
 2. 27.9375
 3. 28.2525
 4. 28.9375

Question ID : 630680307172
Option 1 ID : 6306801194951
Option 2 ID : 6306801194949
Option 3 ID : 6306801194950
Option 4 ID : 6306801194952
Status : Answered
Chosen Option : 2



Q.24 Calculate the average of TV per family.

Number of TV in a family	Number of families
1	100
2	351
3	400
4	149

- Ans 1. 2.598
 2. 2.466
 3. 2.566
 4. 2.587

Question ID : 630680307171
Option 1 ID : 6306801194948
Option 2 ID : 6306801194946
Option 3 ID : 6306801194945
Option 4 ID : 6306801194947
Status : Answered
Chosen Option : 1

Q.25 Walking at $\frac{7}{6}$ of its usual speed a bus is 10 minutes too late. Find its usual time to cover the journey?

- Ans 1. 66.5 min
 2. 70 min
 3. 68 min
 4. 65 min

Question ID : 630680307187
Option 1 ID : 6306801195011
Option 2 ID : 6306801195009
Option 3 ID : 6306801195010
Option 4 ID : 6306801195012
Status : Answered
Chosen Option : 2

Q.26 2 men and 3 women can finish the work in 10 days, while 4 men can do it in 10 days. 5 men and 3 women will finish the work in?

- Ans 1. 7 days
 2. 6 days
 3. 7.5 days
 4. 8 days

Question ID : 630680307185
Option 1 ID : 6306801195002
Option 2 ID : 6306801195001
Option 3 ID : 6306801195003
Option 4 ID : 6306801195004
Status : Answered

Q.27 Find the following value of p for following distribution whose mean is 12.58?

x	5	8	10	12	p	20	25
f	2	5	8	22	7	4	2

- Ans ✓ 1. 15
 ✗ 2. 13
 ✗ 3. 17
 ✗ 4. 12

Question ID : 630680307189
 Option 1 ID : 6306801195019
 Option 2 ID : 6306801195017
 Option 3 ID : 6306801195020
 Option 4 ID : 6306801195018
 Status : Answered
 Chosen Option : 3

Q.28 The perimeter of a triangle is 30 cm and the circumference of its incircle is 88 cm. The area of triangle will be:

- Ans ✗ 1. 140 cm^2
 ✗ 2. 70 cm^2
 ✓ 3. 210 cm^2
 ✗ 4. 420 cm^2

Question ID : 630680307196
 Option 1 ID : 6306801195045
 Option 2 ID : 6306801195047
 Option 3 ID : 6306801195046
 Option 4 ID : 6306801195048
 Status : Answered
 Chosen Option : 1

Q.29 The HCF and LCM of two number x and y are respectively 5 and 105. If $x+y = 24$, then $\frac{1}{x} + \frac{1}{y} = ?$

- Ans ✓ 1. $\frac{8}{175}$
 ✗ 2. $\frac{24}{175}$
 ✗ 3. $\frac{8}{525}$
 ✗ 4. $\frac{24}{8}$

Question ID : 630680307168
 Option 1 ID : 6306801194933
 Option 2 ID : 6306801194935
 Option 3 ID : 6306801194934
 Option 4 ID : 6306801194936
 Status : Answered
 Chosen Option : 1

Q.30 A monkey can climb 5 m of a tree in 1 minute but slipped 2 m in next minute. What time it would take to climb 29 m long tree?

- Ans ✗ 1. 11 minutes
 ✓ 2. 17 minutes
 ✗ 3. 16 minutes
 ✗ 4. 15 minutes

Question ID : 630680307169
 Option 1 ID : 6306801194937
 Option 2 ID : 6306801194938
 Option 3 ID : 6306801194939
 Option 4 ID : 6306801194940

Test Time	12:00 PM - 1:30 PM
Subject	Executive (Electrical)

Section : Mathematics or Numerical Ability

Q.1

If $x^2 - 2x + 1 = 0$ and $x > 0$, then what is the value of $x^2 + x^3 + \frac{1}{x^2} + \frac{1}{x^3}$?

Ans

- 1. 3
- 2. 8
- 3. 6
- 4. 4

Question ID : 6306

Option 1 ID : 6306

Option 2 ID : 6306

Option 3 ID : 6306

Option 4 ID : 6306

Status : Answe

Chosen Option : 4

Q.2

What is the value of $28 \times 64 + 16 + 98 + 14 + 54 \times 72$?

Ans

- 1. 4613
- 2. 5405
- 3. 4007
- 4. 4415

Question ID : 6306

Option 1 ID : 6306

Option 2 ID : 6306

Option 3 ID : 6306

Option 4 ID : 6306

Status : Answe

Chosen Option : 3

Q.3

Two trains are moving in the opposite direction at the speed of 15 km/hr and 60 km/hr, whose lengths are 640 metres and 360 metres respectively. What is the time taken by slower train to cross the faster train?

Ans

- 1. 36 seconds
- 2. 48 seconds
- 3. 50 seconds
- 4. 52 seconds

Question ID : 6306

Option 1 ID : 6306

Option 2 ID : 6306

Option 3 ID : 6306

Option 4 ID : 6306

Status : Answe

Chosen Option : 1

Adda247

Q.4

Price of wheat increases by 50 percent. If expenditure increases by only 35 percent, then by how much percentage consumption should decrease?

Ans

- 1. 10 percent
- 2. 20 percent
- 3. 12 percent
- 4. 15 percent

Question ID : 6306

Option 1 ID : 6306

Option 2 ID : 6306

Option 3 ID : 6306

Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Answe
Chosen Option : 4

Q.5 The compound interest on a sum for 2 years at the rate of 20 percent per annum (compounded annually) is Rs. 2860. What is the sum?

- Ans 1. Rs. 6500
 2. Rs. 6000
 3. Rs. 7500
 4. Rs. 7000

Question ID : 6306
Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Answe
Chosen Option : 1

Q.6 What will be the average of all the even numbers between 21 and 57?

- Ans 1. 41
 2. 39
 3. 43
 4. 38

Question ID : 6306
Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Answe
Chosen Option : 4

Q.7 A is 20 percent more than B. B is 30 percent more than C. C is 50 percent less than D. D is 25 percent less than E. By how much percentage is A less than E?

- Ans 1. 37.5 percent
 2. 41.5 percent
 3. 33.5 percent
 4. 35.5 percent

Question ID : 6306
Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Answe
Chosen Option : 2



Q.8 P and Q can complete a work alone in 18 days and 30 days respectively. They began the work together but P left the work after some days and Q completed the remaining work in 22 days. After how many days from the beginning P left the work?

- Ans 1. 4 days
 2. 3 days
 3. 2 days
 4. 5 days

Question ID : 6306
Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Answe
Chosen Option : 2

Q.9 If $\sin\theta + \cos\theta = \sqrt{2}$, then what is the value of $8 \sin\theta \cos\theta$?

- Ans 1. 2
 2. 16
 3. 8
 4. 4

Question ID : 6306
Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Ans
Chosen Option : 4

Q.10 An article with marked price of Rs. 5676 is sold at a discount of 40 percent. If 20 percent profit is earned, then what is the cost price of the article?

- Ans 1. Rs. 2838
 2. Rs. 2548
 3. Rs. 2500
 4. Rs. 2675

Question ID : 6306
Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Ans
Chosen Option : 1

Q.11 If the ratio of corresponding sides of two similar triangles is $1 : 3$, then what is the ratio of the areas of the two triangles?

- Ans 1. $1 : 3$
 2. $1 : 9$
 3. $1 : 27$
 4. $1 : 81$

Question ID : 6306
Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Ans
Chosen Option : 4

Adda247

Q.12 A person borrows Rs. 66000 at the rate of 10 percent per annum on simple interest for 4 years. He immediately lends it to another person at the rate of 12.5 percent per annum on simple interest for 4 years. What is the value of gain per year?

- Ans 1. Rs. 1660
 2. Rs. 1550
 3. Rs. 1650
 4. Rs. 1780

Question ID : 6306
Option 1 ID : 6306
Option 2 ID : 6306
Option 3 ID : 6306
Option 4 ID : 6306
Status : Ans
Chosen Option : 2

Q.13 On an article, the profit earned is 380 percent of the cost price. If the cost price increases by 20 percent but the selling price remains same, then what will be the new profit percentage?

- Ans 1. 300 percent

Q.14 If the number of diagonals in regular polygon is 44, then the number of sides in the polygon will be _____.

- Ans 1. 12
 2. 9
 3. 10
 4. 11

Question ID : 6306

Option 1 ID : 6306

Option 2 ID : 6306

Option 3 ID : 6306

Option 4 ID : 6306

Status : Answe

Chosen Option : 4

6/28



Adda247

Q.15 If $p : q = 2 : 1$, then what is the value of $(p^2 + q^2)/(p^2 - q^2)$?

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

Question ID : 6306

Option 1 ID : 6306

Option 2 ID : 6306

Option 3 ID : 6306

Option 4 ID : 6306

Status : Answe

Chosen Option : 3

Q.16 If $a + b = 12$ and $4ab = 140$, then what is the value of $a^2 + b^2$?

- Ans 1. 144
 2. 74
 3. 4
 4. 37

Question ID : 6306

Option 1 ID : 6306

Option 2 ID : 6306

Option 3 ID : 6306

Option 4 ID : 6306

Status : Answe

Chosen Option : 2

Q.17 Median of the numbers 4, 6, 8, P, 12, 14 is 9. What is value of P?

- Ans 1. 12
 2. 8
 3. 10
 4. 15

Question ID : 6300

Option 1 ID : 6300

Option 2 ID : 6300

Option 3 ID : 6300

Option 4 ID : 6300

Status : Ans

Chosen Option : 3

Adda247

Q.18 The ratio of two liquids B1 and B2 in a container is 3 : 2. When 10 litres of mixture is removed from the container and is replaced with B2, the ratio of B1 and B2 becomes 3 : 5. How many litres of B1 was in the container initially?

- Ans 1. 8 litres
 2. 48 litres
 3. 32 litres
 4. 16 litres

Question ID : 6300

Option 1 ID : 6300

Option 2 ID : 6300

Option 3 ID : 6300

Option 4 ID : 6300

Status : Ans

Chosen Option : 2

Q.19 If $56x + 56y = 1064$, then what is the average of x and y?

- Ans 1. 8
 2. 9.5
 3. 11
 4. 10.5

Question ID : 6300

Option 1 ID : 6300

Option 2 ID : 6300

Option 3 ID : 6300

Option 4 ID : 6300

Status : Ans

Chosen Option : 1

Q.20 Mukesh covers $\frac{1}{7}$ part of the total distance by bus and the remaining 36 km by car. What is the total distance of his journey?

- Ans 1. 42 km
 2. 28 km
 3. 24 km

- Q.21** The inner and outer radii of circle track are 29 metre and 23 metre respectively. What is the cost of leveling the track at the rate of Rs. 7 per metre²?

- Ans**
- 1. Rs. 7728
 - 2. Rs. 5300
 - 3. Rs. 3284
 - 4. Rs. 6864

Question ID : 630
 Option 1 ID : 630
 Option 2 ID : 630
 Option 3 ID : 630
 Option 4 ID : 630
 Status : Not Chosen
 Chosen Option : -

Adda247

- Q.22** What is the value of $4444 \div 44 + 20 - 121 + 100 \times 4 - 20 \times 30$?

- Ans**
- 1. 0
 - 2. -200
 - 3. -100
 - 4. -300

Question ID : 630
 Option 1 ID : 630
 Option 2 ID : 630
 Option 3 ID : 630
 Option 4 ID : 630
 Status : Ans
 Chosen Option : 3

- Q.23** What is the value of $24 \times 15 + 12 \times 35 \times 192 \div 16$?

- Ans**
- 1. 13600
 - 2. 18000
 - 3. 14400
 - 4. 12600

Question ID : 630
 Option 1 ID : 630
 Option 2 ID : 630
 Option 3 ID : 630
 Option 4 ID : 630
 Status : Ans
 Chosen Option : 4

- Q.24** The ratio of radius and height of a cylinder is 5 : 7 and its volume is 550 cm^3 . Calculate the curved surface area.

- Ans**
- 1. 500 cm^2
 - 2. 196 cm^2
 - 3. 321 cm^2
 - 4. 220 cm^2

Question ID : 630
 Option 1 ID : 630
 Option 2 ID : 630
 Option 3 ID : 630
 Option 4 ID : 630
 Status : Ans
 Chosen Option : 2

- Q.25** Simple interest and compound interest on a principal at a certain rate of interest for 2 years is Rs. 15000 and Rs. 18000 respectively. What is the principal?

- Ans**
- 1. Rs. 18750
 - 2. Rs. 15750

Q.26 Vikas gave 3 examinations. The respective ratio of marks scored by him in the 3 examinations is 3 : 5 : 4. The respective ratio of maximum marks of the 3 examination is 8 : 7 : 9. If he scored 50 percent marks in total, then in how many examination has he scored marks more than 50 percent?

- Ans 1
 0
 2
 3

Question ID : 63
Option 1 ID : 63
Option 2 ID : 63
Option 3 ID : 63
Option 4 ID : 63
Status : No
Chosen Option : -

Q.27 If the price of onion increases from Rs. 15 per kg to Rs. 50 per kg, then by what percentage a household should decrease the consumption of onion so that expenditure remains same?

- Ans 70 percent
 50 percent
 80 percent
 60 percent

9/28
Question ID : 63
Option 1 ID : 63
Option 2 ID : 63
Option 3 ID : 63
Option 4 ID : 63
Status : No
Chosen Option : -

Q.28 Two identical circles each of radius 5 cm intersect each other such that the circumference of each one passes through the centre of the other. What is the area of the intersecting region?

- Ans 1. $\left\{ \frac{(50\pi)}{3} \right\} - \left\{ \frac{(25\sqrt{3})}{4} \right\}$
 2. $25\sqrt{3} - 10\pi$
 3. $\left\{ \frac{(50\pi)}{3} \right\} - \left\{ \frac{(25\sqrt{3})}{2} \right\}$
 4. $\left\{ \frac{(50\pi)}{3} \right\} - (25\sqrt{3})$

Question ID : 63
Option 1 ID : 63
Option 2 ID : 63
Option 3 ID : 63
Option 4 ID : 63
Status : No
Chosen Option : -

Q.28 Two identical circles each of radius 5 cm intersect each other such that the circumference of each one passes through the centre of the other. What is the area of the intersecting region?

Ans

1. $\left\{ \frac{(50\pi)}{3} \right\} - \left\{ \frac{(25\sqrt{3})}{4} \right\}$

2. $25\sqrt{3} - 10\pi$

3. $\left\{ \frac{(50\pi)}{3} \right\} - \left\{ \frac{(25\sqrt{3})}{2} \right\}$

4. $\left\{ \frac{(50\pi)}{3} \right\} - (25\sqrt{3})$

Adda247

Q.29 The profit earned on selling an article for Rs. 4872 is 2 times of the loss incurred on selling the same article for Rs. 3864. What will be the selling price of the article to earn a profit of 20 percent?

Ans

1. Rs. 5400

2. Rs. 4880

3. Rs. 4950

4. Rs. 5040

Q.30 Pipes A and C together can fill a tank in 45 hours. Pipes C and D together can fill the same tank in 22.5 hours. Pipes A and D together can fill the same tank in 30 hours. In how many hours can pipe C alone fill the same tank?

Ans

1. 75 hours

2. 90 hours

3. 70 hours

4. 60 hours

Test Date	24/06/2020
Test Time	12:00 PM - 1:30 PM
Subject	Executive Finance

Section : Mathematics or Numerical Ability

Q1 Water flows through a pipe which is of cylindrical shape of radius 2.5 mm at rate of 10 m per minute and falls into a conical tub of 20 cm base radius and 24 cm height. How long will it take to fill the tub?

- Ans 1. 48 min 15 sec
 2. 52 min 2 sec
 3. 53 min 14 sec
 4. 51 min 12 sec

Question ID :
 Option 1 ID :
 Option 2 ID :
 Option 3 ID :
 Option 4 ID :

Status :

Chosen Option :

Q2 A fan is listed at ₹ 150 with a discount of 20%. What additional discount must be offered to bring the net price to ₹ 108?

- Ans 1. 10%
 2. 12%
 3. 13%
 4. 11%

Question ID :
 Option 1 ID :
 Option 2 ID :
 Option 3 ID :
 Option 4 ID :

Status :

Chosen Option :

Q3 X and Y together can finish work in 12 days, Y and Z can finish In 20 days and Z and X can finish in 15 days. Find in how many days X, Y and Z will finish the work?

- Ans 1. 6 days
 2. 11 days
 3. 9 days
 4. 10 days

Question ID :
 Option 1 ID :
 Option 2 ID :
 Option 3 ID :
 Option 4 ID :

Status :

Chosen Option :

Adda247

Q4 The population of a town is 176400. It increases annually at the rate of 5% per annum. What was the population 2 years ago?

- Ans 1. 158000
 2. 170000
 3. 168000
 4. 160000

Q5 If $\frac{1}{x} : \frac{1}{y} : \frac{1}{z} = 2 : 3 : 5$, then $x : y : z = ?$

- Ans 1. 5 : 3 : 2
 2. 6 : 10 : 15
 3. 15 : 10 : 6
 4. 2 : 3 : 5

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :
Chosen Option :

Q6 Find the value of $\cos \frac{\pi}{15} \cos \frac{2\pi}{15} \cos \frac{3\pi}{15} \cos \frac{4\pi}{15} \cos \frac{5\pi}{15} \cos \frac{6\pi}{15} \cos \frac{7\pi}{15}$.

- Ans 1. $\frac{1}{28}$
 2. $\frac{1}{8}$
 3. $\frac{1}{15}$
 4. $\frac{1}{128}$

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :
Chosen Option :

Adda247

Q7 If a square and rhombus stand on the same base, then ratio of the area of square to rhombus is:

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

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :
Chosen Option :

Option 2 ID :
Option 3 ID :
Option 4 ID :

Status :

Chosen Option :

Q.8 Solve the equation $6x^3 - 9x^2 + 14x + 24 = 0$, two of those are in ration 2 : 3?

- Ans 1. 3, 5 & 4
 2. 4, 6 & -1
 3. -2, 1 & -3
 4. 2, 3 & -1

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :

Status :

Chosen Option :

Q.9 Two trains start at the same time from one point and move along the two roads at right angles to each other. Their speed are 36 km/hr and 48 km/hr respectively. Find distance after 15 Seconds?

- Ans 1. 400 km
 2. 150 km
 3. 250 km
 4. 300 km

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :

Chosen Option :

Q.10 Find the length of canvas of conical shape with 1.2 m width and 14 m height and floor area is 346.5 m^2 ?

- Ans 1. 860 m
 2. 770 m
 3. 490 m
 4. 665 m

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :

Status :

Chosen Option :

Adda247

Q.11 If the compound interest on a certain sum of money for 3 years at 10% per annum be ₹ 993, what would be the simple interest?

- Ans 1. ₹ 1000
 2. ₹ 850
 3. ₹ 900
 4. ₹ 950

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :

Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :
Chosen Option :

Q.12 The sum of all roots of the equation $6x^3 - 11x^2 + 6x - 1 = 0$, whose roots are in Harmonic progression?

Ans ✓ 1. $\frac{11}{6}$

✗ 2. $\frac{5}{6}$

✗ 3. $\frac{7}{6}$

✗ 4. $\frac{21}{6}$

5/31

Q
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Option 4 ID :
Status :
Chosen Option :

Q.13 It is given that $(3^{21} + 1)$ is exactly divisible by a certain number. Which of the following is also definitely divisible by the same number?

Ans ✗ 1. $(3^{21} - 1)$

✗ 2. $(3^{42} + 1)$

✗ 3. $(3^{42} - 1)$

✓ 4. $(3^{63} + 1)$

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :
Chosen Option :

Adda247

Q.14 By what least number 9720 must be multiplied to get a perfect cube?

Ans ✓ 1. 75

✗ 2. 5

✗ 3. 3

✗ 4. 15

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :

Q.15 If $(4p^2 - 3q^2) : (2p^2 + 5q^2) = 12 : 19$, then $p : q = ?$

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

Q.16 Calculate the average of children per family?

Number of children in family	Number of families
1	73
2	378
3	459
4	90

- Ans 1. 2.569
 2. 2.466
 3. 2.587
 4. 2.566

Q.17 Simplify the following equation.

$$\frac{(x-y)^3 + (y-z)^3 + (z-x)^3}{9(x-y)(y-z)(z-x)} = ?$$

- Ans 1. $\frac{1}{3}$
 2. 0
 3. 1
 4. $\frac{1}{9}$

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :
Chosen Option :

Q.18 If ₹ 6250 at 8% per annum is compounded annually, the what will be compound interest after 2 years?

- Ans 1. ₹ 1050
 2. ₹ 1020
 3. ₹ 1040
 4. ₹ 1030

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :
Chosen Option :

Q.19 Evaluate 45% of 200 + 28% of 400.

- Ans 1. 204
 2. 600
 3. 202
 4. 404

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :
Chosen Option :

Adda247

Q.20 A bag is bought for ₹ 1020 and sold at ₹ 850. What is the loss percent?

- Ans 1. $\frac{52}{3}\%$
 2. 17%
 3. $\frac{50}{3}\%$
 4. $\frac{47}{3}\%$

Question ID :
Option 1 ID :
Option 2 ID :
Option 3 ID :
Option 4 ID :
Status :

Q.21 A sum of ₹ 10 is lent to be returned in 11 monthly installments of ₹ 1 each, at simple interest, what will be rate?

Ans 1. 10%

2. $\frac{100}{11}\%$

3. 11%

4. $\frac{240}{11}\%$

Question ID
Option 1 ID
Option 2 ID
Option 3 ID
Option 4 ID

Status

Chosen Option

Q.22 P does 20% less work than Q. If P can finish the work in $\frac{15}{2}$ hours, then Q can do it in how many hours?

Ans 1. 4.5

2. 5

3. 5.5

4. 6

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Question ID
Option 1 ID
Option 2 ID
Option 3 ID
Option 4 ID

Status

Chosen Option

Adda247

Q.23 Rita can cover a distance in 1hr 24 min by covering two-third of the distance at 4 km/hr and the rest at 5 km/hr. Find the total distance?

Ans 1. 5 km

2. 7 km

3. 7.5 km

4. 6 km

Question ID
Option 1 ID
Option 2 ID
Option 3 ID
Option 4 ID

Status

Chosen Option

Q.24 One year ago, the ratio between P's and Q's salary was 3 : 4. The ratio of their individual salaries between last and this year was 4 : 5 and 2 : 3 respectively. If total salary now is ₹ 41600. P's present salary is:

Q.24 One year ago, the ratio between P's and Q's salary was 3 : 4. The ratio of their individual salaries between last and this year was 4 : 5 and 2 : 3 respectively. If total salary now is ₹ 41600. P's present salary is:

- Ans 1. ₹ 16000
 2. ₹ 15600
 3. ₹ 100000
 4. ₹ 150000

Question ID
Option 1 ID
Option 2 ID
Option 3 ID
Option 4 ID
Status
Chosen Option

Q.25 The area of an equilateral triangle inscribed in a circle of radius 2 unit is:

- Ans 1. 3 sq unit
 2. $4\sqrt{3}$ sq unit
 3. $3\sqrt{3}$ sq unit
 4. 3.5 sq unit

9/31

Op...
Option 2 ID
Option 3 ID
Option 4 ID
Status
Chosen Option

Q.26 Ram sells mango at a gain of 20%. If he had bought it at 20% less and sold it for ₹ 5 less, it would have got 25% profit. Find cost price of mango?

- Ans 1. ₹ 28
 2. ₹ 25
 3. ₹ 27
 4. ₹ 26

Question ID
Option 1 ID
Option 2 ID
Option 3 ID
Option 4 ID
Status
Chosen Option

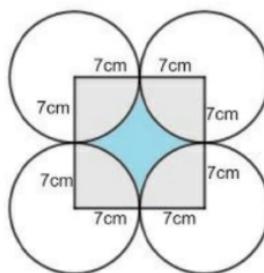
Adda247

Q.27 A man covers a distance 'd' at x km/hr and return back to starting point at y km/hr. Then his average speed in whole journey is:

- Ans 1. $\frac{2xy}{x+y}$
 2. $\frac{x+y}{2xy}$
 3. $\frac{x-y}{2}$
 4. $x+y$

Question ID
Option 1 ID
Option 2 ID
Option 3 ID
Option 4 ID
Status
Chosen Option

Q.28 Find Area of shaded black region.



- Ans 1. 49 cm^2
 2. 154 cm^2
 3. 77 cm^2
 4. 144 cm^2

A

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Q.29 Find the value of 'p', if the mean of following distribution is 20.

x	15	17	19	$20+p$	23
f	2	3	4	$5p$	6

- Ans 1. 3
 2. 1
 3. 2
 4. 0

Q.29 Find the value of 'p', if the mean of following distribution is 20.

x	15	17	19	20+p	23
f	2	3	4	5p	6

Ans 1. 3

2. 1

3. 2

4. 0

Question ID:

Option 1 ID:

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Option 4 ID:

Status:

Chosen Option:

Q.30 The average temperature for Monday, Tuesday and Wednesday is 39°C . The average for Tuesday, Wednesday and Thursday is 42°C . If the temperature on Thursday is 42°C , then what is temperature on Monday?

Ans 1. 34°C

2. 33°C

3. 32°C

4. 31°C

Question ID:

Option 1 ID:

Option 2 ID:

Option 3 ID:

Option 4 ID:

Status:

Chosen Option:

Section : General Awareness

Q.1 According to union budget 2023-24, Countries looking for digital continuity solutions would be facilitated for setting up of their Data Embassies in _____.

Ans 1. GIFT ISC

2. GIFT IFS

3. IFSC

4. GIFT IFSC

Question ID:

Option 1 ID:

Option 2 ID:

Option 3 ID: