

Section : Numerical Aptitude

Q.1 15 men can do a job in 12 days and 18 women can do it in 15 days. How many days will 5 men and 3 women take to complete the job?

Ans

✗ 1. $28\frac{5}{7}$

✓ 2. $25\frac{5}{7}$

✗ 3. $23\frac{5}{7}$

✗ 4. $27\frac{5}{7}$

Question ID : 65497816563
Chosen Option : 2



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Q.2 If each side of a rectangle is increased by 12%, then by what percentage will its area increase?

- Ans**
- 1. 12.65%
 - 2. 27.5%
 - 3. 25.44%
 - 4. 18.54%

Question ID : 65497816578
Chosen Option : 2

Q.3 The profit earned by selling an article for ₹832 is equal to the loss incurred when the article is sold for ₹448. What should be the selling price (in ₹) for making 20% profit?

- Ans**
- 1. 640
 - 2. 768
 - 3. 704
 - 4. 720

Question ID : 65497816571
Chosen Option : 2

Q.4 A person sold an article at a loss of 7%. Had he sold it at a gain of 10.5%, he would have received ₹105 more. To gain 11%, he should have sold it (in ₹) for:

- Ans**
- 1. 600
 - 2. 666
 - 3. 636
 - 4. 642

Question ID : 65497816570
Chosen Option : 2

Q.5 The average of eleven numbers is 80. The average of the first four numbers is 74.5 and that of the next four numbers is 82.5. The ninth number is 6 more than the tenth number, and the tenth number is 6 less than the eleventh number. What is the average of the ninth and eleventh numbers?

- Ans**
- 1. 87
 - 2. 80
 - 3. 86
 - 4. 85

Question ID : 65497816567
Chosen Option : 3



Q.6 A can do one-fourth of a work in 5 days and B can do two-fifth of the work in 10 days. In how many days can both A and B together do the work?

Ans

1. $12\frac{1}{9}$

2. $11\frac{1}{9}$

3. $13\frac{1}{9}$

4. $10\frac{1}{9}$

Question ID : 65497816562

Chosen Option : 2

Q.7 The least number which when divided by 15, 25, 35, 40 leaves remainders 10, 20, 30, 35, respectively, is:

Ans

1. 4210

2. 4200

3. 4205

4. 4195

Question ID : 65497816581

Chosen Option : 1

Q.8 How much time (in years) will it take for an amount of ₹900 to yield ₹81 as interest at 4.5% per annum of simple interest?

Ans

1. 5

2. 3

3. 4

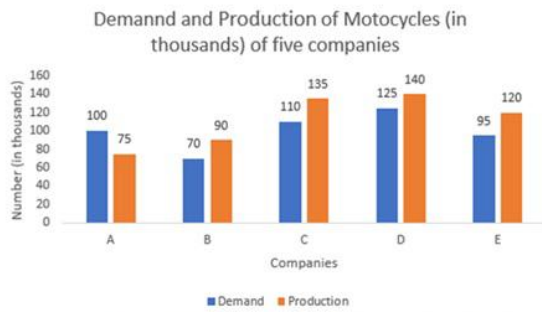
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Question ID : 65497816576

Chosen Option : 4



Q.9 Study the following graph and answer the question that follows.

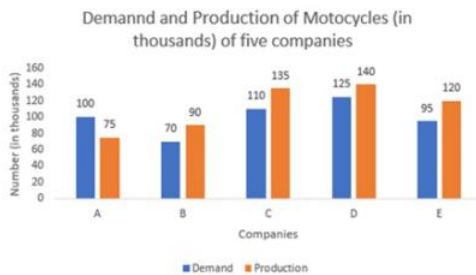


The company whose production of motorcycles is approximately 12% more than the demand is:

- Ans**
- ✓ 1. D
 - ✗ 2. C
 - ✗ 3. E
 - ✗ 4. B

Question ID : 65497816585
Chosen Option : --

Q.10 Study the following graph and answer the question that follows.



The average production of motorcycles of companies A, B and C is what percentage less than the demand of motorcycles of D?

- Ans**
- ✓ 1. 20%
 - ✗ 2. 22.5%
 - ✗ 3. 18%
 - ✗ 4. 12.5%

Question ID : 65497816584
Chosen Option : 1

Q.11 The income of A is 50% more than that of B. If the income of A is increased by 40% and the income of B is increased by 30%, then the percentage increase in their combined income is:

- Ans**
- ✗ 1. 24%
 - ✗ 2. 32%
 - ✗ 3. 40%
 - ✓ 4. 36%

Question ID : 65497816569
Chosen Option : 4



Q.12 The values of the mode and median are 7.52 and 9.06, respectively, in a moderately asymmetrical distribution. The mean of the distribution is:

- Ans**
- 1. 9.83
 - 2. 8.67
 - 3. 10.23
 - 4. 9.5

Question ID : 65497816577
Chosen Option : --

Q.13 A path 6 m wide runs around and outside of a rectangular plot of length 10 m and breadth 8 m. The area (in m^2) of the path is:

- Ans**
- 1. 440
 - 2. 600
 - 3. 80
 - 4. 360

Question ID : 65497816579
Chosen Option : --

Q.14 The speeds of three cars are in the ratio of 3 : 4 : 8. The ratio of the time taken by these cars for travelling the same distance is:

- Ans**
- 1. 8 : 6 : 3
 - 2. 6 : 8 : 3
 - 3. 8 : 3 : 6
 - 4. 6 : 3 : 8

Question ID : 65497816572
Chosen Option : --

Q.15 A dealer bought an article at 10% discount on its marked price and sold it at a price which is 20% above the marked price. The gain percentage (correct to the nearest integer) is:

- Ans**
- 1. 33%
 - 2. 35%
 - 3. 25%
 - 4. 28%

Question ID : 65497816568
Chosen Option : --

Q.16 Excluding stoppages, the speed of a bus is 60 km/h and including stoppages, it is 51 km/h. For how many minutes does the bus stop per hour?

- Ans**
- 1. 9
 - 2. 12
 - 3. 8
 - 4. 10

Question ID : 65497816564
Chosen Option : 2

Q.17 The total number of students in class A and B is 92. The number of students in A is 30% more than that in B. The average weight (in kg) of students in B is 50% more than that of students in A. If the average weight of all the students in A and B is 56 kg, then what is the average weight (in kg) of students in B?

- Ans**
- 1. 46
 - 2. 40
 - 3. 69
 - 4. 52

Question ID : 65497816566
Chosen Option : --

Q.18 The ratio of the present ages of A and B is 6 : 5. Four years ago, this ratio was 5 : 4. What will be the ratio of the ages of A and B after ten years?

- Ans**
- 1. 11 : 15
 - 2. 17 : 15
 - 3. 15 : 11
 - 4. 15 : 17

Question ID : 65497816574
Chosen Option : 2

Q.19 The volume of a metallic cylindrical pipe is 1232 cm^3 . If its external radius is 7 cm and thickness is 2 cm, then the length of the pipe (correct to one decimal place) (in cm) is: (Take $\pi = \frac{22}{7}$)

- Ans**
- 1. 18.5
 - 2. 17.2
 - 3. 16.3
 - 4. 14.2

Question ID : 65497816580
Chosen Option : --



Q.20 A sum of ₹x is divided among A, B and C such that the ratio of the shares of A and B is 7 : 12 and that of B and C is 8 : 5. If the difference in the shares of A and C is 219, then the value of x is:

- Ans**
- 1. 17,231
 - 2. 15,321
 - 3. 11,607
 - 4. 21,901

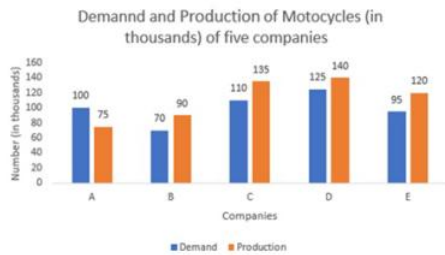
Question ID : 65497816573
Chosen Option : 3

Q.21 If x is a positive quantity, then what is the value of $3x$, if $0.42\bar{3} - 0.2$ of $52.5 \div 0.84 = x^2 - (0.02\bar{1} + 12.5)$?

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

Question ID : 65497817592
Chosen Option : --

Q.22 Study the following graph and answer the question that follows.



The total production of motorcycles of companies B and E is what percentage of the demand of motorcycles of all the companies taken together?

- Ans**
- 1. 40%
 - 2. 46%
 - 3. 48%
 - 4. 42%

Question ID : 65497816586
Chosen Option : 4

Q.23 A sum of ₹7,500 amounts to ₹8,748 after 2 years at a certain rate per cent per annum compounded annually. What will be the simple interest (in ₹) on the same sum for 3 years at double the earlier rate?

- Ans
- ✓ 1. 3,600
 - ✗ 2. 3,750
 - ✗ 3. 4,200
 - ✗ 4. 2,800

Question ID : 65497816575
Chosen Option : --

Q.24 The speed of a boat in still water is 30 km/h and the rate of the current is 6 km/h. The distance (in km) travelled upstream in 5 minutes is:

- Ans
- ✗ 1. 3
 - ✗ 2. 4
 - ✓ 3. 2
 - ✗ 4. 2.5

Question ID : 65497816565
Chosen Option : 4

Q.25 The value of $1\frac{19}{21} - \left[1\frac{10}{21} + \frac{1}{2} \text{ of } \frac{1}{3} \div \frac{7}{12} - \left(\frac{2}{7} \text{ of } \frac{1}{5} \right) \right]$ is:

- Ans
- ✓ 1. $\frac{1}{5}$
 - ✗ 2. $\frac{3}{5}$
 - ✗ 3. $\frac{2}{5}$
 - ✗ 4. $\frac{1}{10}$

Question ID : 65497815371
Chosen Option : 1

