

Section : Numerical Aptitude

Q.1 The value of $5\frac{1}{4} + \frac{1}{4} \div \frac{1}{4}$ of $\frac{1}{8} - \frac{9}{4} + 1\frac{1}{3} \div 1\frac{1}{4}$ of $\left[2\frac{3}{5} - 2\frac{1}{3}\right]$ is:

- Ans
- 1. 12
 - 2. 10
 - 3. 15
 - 4. 5

Question ID : 65497815573
Chosen Option : 3

Q.2 ₹63,800 is to be divided between A and B in the ratio 4 : 7. The share (in ₹) received by B is:

- Ans
- 1. 40,600
 - 2. 17,400
 - 3. 23,200
 - 4. 25,000

Question ID : 65497816976
Chosen Option : 1

Q.3 If 4 men can reap a field in 5 days working 9 hours a day, in how many hours can 10 men reap the same field working 3 days?

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

Question ID : 65497816966
Chosen Option : 3

Q.4 A rectangular room has an area of 60 m^2 and a perimeter of 34 m. The length of the diagonal of the rectangular room is same as the side of a square. The perimeter of the square (in m) is:

- Ans
- 1. 64
 - 2. 100
 - 3. 44
 - 4. 52

Question ID : 65497816982
Chosen Option : 4

Q.5 In a class of 80 students, 60% are girls and the rest are boys. The average weight of boys is 5% more than that of girls. If the average weight of all the students is 51 kg, then what is the average weight (in kg) of the girls?

- Ans
- 1. 52.5
 - 2. 50
 - 3. 55
 - 4. 47.5

Question ID : 65497816971
Chosen Option : 2

Q.6 'A' is 3 times as good a workman as 'B' and therefore is able to complete a job in 36 days less than 'B'. In how many days will they finish 40% of the work, working together?

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

Question ID : 65497816967
Chosen Option : 3

Q.7 A train takes 1 hour 30 minutes to travel between two stations P and Q. If it travels at $\frac{5}{6}$ of its usual speed, how long will it take to travel between P and Q?

- Ans
- 1. 1 h 24 min
 - 2. 1 h 48 min
 - 3. 1 h 12 min
 - 4. 1 h 36 min

Question ID : 65497816969
Chosen Option : 2

Q.8 Sita and Geeta start at the same time to ride from place A to place B, which is 90 km away from place A. Sita travels 3 km per hour slower than Geeta. Geeta reaches place B and at once turns back, meeting Sita 15 km from place B. Geeta's speed (in km/h) is:

- Ans**
- 1. 9
 - 2. 6
 - 3. 7.5
 - 4. 10.5

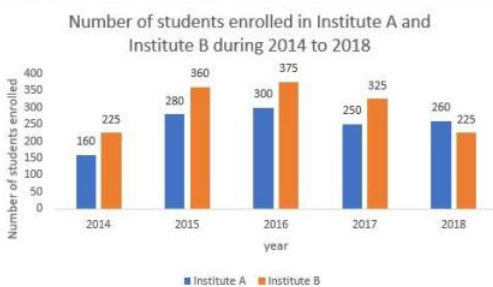
Question ID : 65497816968
Chosen Option : 4

Q.9 There are four different numbers. The average of the first three numbers is three times the fourth number, and the average of all the four numbers is 55. What is the sum of the first three numbers?

- Ans**
- 1. 172
 - 2. 198
 - 3. 165
 - 4. 153

Question ID : 65497816970
Chosen Option : 3

Q.10 Study the following bar graph that shows the number of students enrolled for different courses in institutes A and B during 5 years, and answer the question that follows.



What is the ratio of the total number of students enrolled in A during 2015 and 2018 to that of students enrolled in B during 2014 and 2015?

- Ans**
- 1. 13 : 17
 - 2. 17 : 13
 - 3. 12 : 13
 - 4. 13 : 12

Question ID : 65497816988
Chosen Option : 3

Q.11 Due to 20% reduction in the price of wheat per kg, Ram is able to buy 5 kg more for ₹800. What is the original quantity (in kg) of wheat?

- Ans**
- 1. 50
 - 2. 20
 - 3. 40
 - 4. 30

Question ID : 65497816973
Chosen Option : 3

Q.12 Simplify:

$$-20 \div \frac{4}{7} \text{ of } 55 \frac{1}{8} \times \frac{9}{5} - \left(\frac{6}{7} + 1\right).$$

- Ans**
- 1. 3
 - 2. $-\frac{200}{567}$
 - 3. $\frac{5}{7}$
 - 4. -3

Question ID : 65497817794
Chosen Option : 2

Q.13 The selling price of an article is ₹2,300 and profit percentage is 25%. If the article is sold again for ₹1,656, then what is the loss/gain percentage?

- Ans**
- 1. Loss 10%
 - 2. Gain 6.25%
 - 3. Loss 6.5%
 - 4. Gain 10%

Question ID : 65497816975
Chosen Option : 1

Q.14 A person borrows ₹75,000 for 3 years at 7% simple interest. He lends it to B at 5% for 3 years. What is his loss (in ₹)?

- Ans**
- 1. 3,500
 - 2. 6,000
 - 3. 4,500
 - 4. 5,000

Question ID : 65497816980
Chosen Option : 3

Q.15 A man bought 2 articles for ₹3,000 each. He sold one article at 5% profit and the other at 10% loss. What is the total profit or loss percentage?

- Ans**
- ✓ 1. Loss 2.5%
 - ✗ 2. Loss 10%
 - ✗ 3. No profit no loss
 - ✗ 4. Profit 2.5%

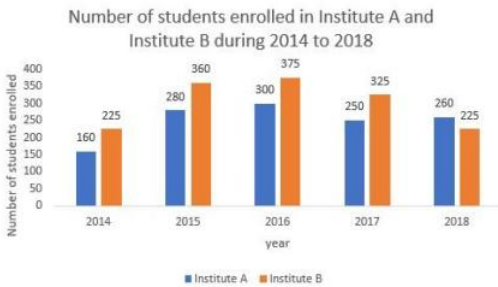
Question ID : 65497816974
Chosen Option : 1

Q.16 A certain sum amounts to ₹29,282 in 4 years at 10% p.a. when the interest is compounded yearly. What is the simple interest (in ₹) on double of the sum for five years' time at the same rate?

- Ans**
- ✗ 1. 17,000
 - ✓ 2. 20,000
 - ✗ 3. 18,000
 - ✗ 4. 21,500

Question ID : 65497816979
Chosen Option : 2

Q.17 Study the following bar graph that shows the number of students enrolled for different courses in institutes A and B during 5 years, and answer the question that follows.



The total number of students enrolled in A during 2014 and 2016 is what percentage of the total number of average students enrolled in B during the 5 years (correct to one decimal place)?

- Ans**
- ✗ 1. 127.6%
 - ✗ 2. 138.4%
 - ✓ 3. 152.3%
 - ✗ 4. 185.7%

Question ID : 65497816990
Chosen Option : 3

Q.18 The length of a rectangle is three-fifth of the radius of a circle. The radius of the circle is equal to the side of a square, whose area is 6400 m^2 . The perimeter (in m) of the rectangle, if the breadth is 15 m, is:

- Ans
- 1. 120
 - 2. 126
 - 3. 160
 - 4. 180

Question ID : 65497816983
Chosen Option : 2

Q.19 In an election, the votes cast for two candidates were in the ratio 4 : 9. If the successful candidate received 984321 votes, then the total votes received by the unsuccessful candidate is:

- Ans
- 1. 421797
 - 2. 437476
 - 3. 571279
 - 4. 912577

Question ID : 65497816977
Chosen Option : 2

Q.20 What is the sum of the numbers between 300 and 400 such that when they are divided by 6, 12 and 16, it leaves no remainder?

- Ans
- 1. 720
 - 2. 764
 - 3. 586
 - 4. 632

Question ID : 65497816985
Chosen Option : 2

Q.21 The marked price of an article is ₹400. After allowing a discount of 20% on the marked price, a shopkeeper makes a loss of ₹48. His loss percentage is:

- Ans
- 1. $14\frac{1}{23}\%$
 - 2. $13\frac{1}{23}\%$
 - 3. $15\frac{1}{23}\%$
 - 4. $17\frac{1}{23}\%$

Question ID : 65497816972
Chosen Option : 4

Q.22 A boy walked along two adjacent sides of a rectangular field. If he had walked along the diagonal, then he would have saved a distance equal to one-fourth of the larger side. The ratio of the smaller to the larger side is:

- Ans**
- 1. 11 : 18
 - 2. 18 : 11
 - 3. 24 : 7
 - 4. 7 : 24

Question ID : 65497816984
Chosen Option : 3

Q.23 The median of a set of 7 distinct observations is 16.5. If each of the largest 3 observations of the set is increased by 5, then the median of the new set:

- Ans**
- 1. is decreased by 5
 - 2. is increased by 5
 - 3. is five times of the original number
 - 4. remains the same as that of the original set

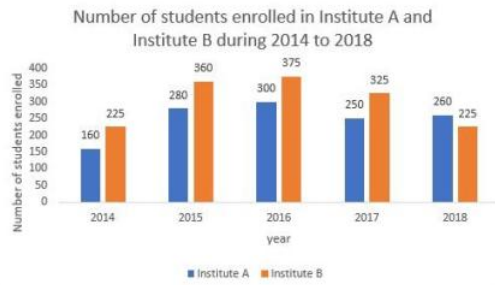
Question ID : 65497816981
Chosen Option : --

Q.24 If x is subtracted from each of 52, 47, 20 and 19, the numbers so obtained in this order are in proportion. What is the mean proportional between $(x+4)$ and $(x-8)$?

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

Question ID : 65497816978
Chosen Option : 1

Q.25 Study the following bar graph that shows the number of students enrolled for different courses in institutes A and B during 5 years, and answer the question that follows.



The average number of students (per year) enrolled in A during 2015, 2016 and 2018 is what percentage less than the number of students enrolled in B during 2015 (correct to one decimal place)?

- Ans**
- 1. 26.7%
 - 2. 22.2%
 - 3. 25.8%
 - 4. 18.5%

Question ID : **65497816989**
Chosen Option : **2**