

Q.1 A sum of money doubled itself at certain rate of compound interest in 15 years. In how many years will it become four times of itself?

- Ans**
- 1. 45
 - 2. 30
 - 3. 25
 - 4. 15

Question ID : 65497816676
Chosen Option : 2

Q.2 If the length of a rectangle is increased by 80%, what would be the percentage decrease (correct to one place of decimal) in the width to maintain the same area?

- Ans**
- 1. 44.4%
 - 2. 42.5%
 - 3. 40.2%
 - 4. 43.5%

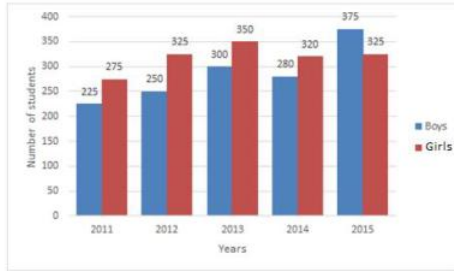
Question ID : 65497816680
Chosen Option : 1

Q.3 A sum of money is distributed among P, Q, R and S in the ratio 3 : 4 : 5 : 6, respectively. If R gets ₹500 more than Q, then the sum of all their shares (in ₹) is:

- Ans**
- 1. 8,000
 - 2. 9,000
 - 3. 7,500
 - 4. 6,000

Question ID : 65497816674
Chosen Option : 2

Q.4 Study the following graph that shows the number of boys and girls who appeared for the Class X examination in a school XYZ, in different years.



What is the ratio of the total number of boys who appeared for the Class X examination in 2012 and 2013 to that of girls who appeared in 2012 and 2015?

- Ans**
- 1. 11 : 15
 - 2. 11 : 13
 - 3. 15 : 11
 - 4. 13 : 11

Question ID : 65497816685
Chosen Option : 2

Q.5 A car travels a distance of x km at a speed of $5\frac{5}{9}$ m/sec and returns at 5 m/sec to the starting point. If the total time taken by the car is $7\frac{3}{5}$ hours then the value of x (in km) is:

- Ans**
- 1. 78
 - 2. 72
 - 3. 80
 - 4. 66

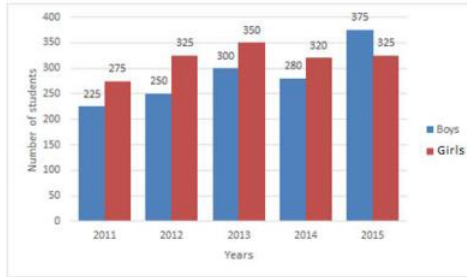
Question ID : 65497816666
Chosen Option : 2

Q.6 There are three positive numbers. If the average of any two of them is added to the third number, the resulting sums are 154, 148 and 132. The average of the original three numbers is:

- Ans**
- 1. $75\frac{1}{3}$
 - 2. $72\frac{1}{3}$
 - 3. $70\frac{1}{3}$
 - 4. $76\frac{1}{3}$

Question ID : 65497816667
Chosen Option : 2

Q.7 Study the following graph that shows the number of boys and girls who appeared for the Class X examination in a school XYZ, in different years.



The average of the number of boys who appeared in 2011, 2013 and 2015 is what percentage less than the number of girls who appeared in 2012 (correct to one decimal place)?

- Ans**
- 1. 8.1%
 - 2. 8.5%
 - 3. 6.9%
 - 4. 7.7%

Question ID : 65497816687

Chosen Option : 4

Q.8 'A' can complete a work in 15 days and 'B' can complete the same work in 20 days. Working together, in how many days, will they complete 35% of the same work?

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

Question ID : 65497816663

Chosen Option : 2

Q.9 If the variance of 5 values is 0.81, then what is its standard deviation?

- Ans**
- 1. 0.09
 - 2. 0.9
 - 3. 2.7
 - 4. 0.27

Question ID : 65497816678

Chosen Option : 2

Q.10 The ratio of the speeds of two trains is 5 : 8. If the second train runs 400 km in 4 hours, then the speed of the first train (in km/h) is:

- Ans**
- 1. 37
 - 2. 62.5
 - 3. 12.5
 - 4. 25

Question ID : 65497816665
Chosen Option : 2

Q.11 The marked price of an article is ₹4,450. If a person earns a profit of 15% after allowing a discount of 15%, then the cost price (in ₹) (correct to the nearest integer) of the article is:

- Ans**
- 1. 3,289
 - 2. 3,378
 - 3. 3,189
 - 4. 3,498

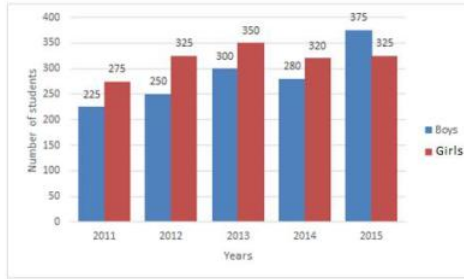
Question ID : 65497816669
Chosen Option : 1

Q.12 What is the simplified value of $\left[\left(3 - \frac{2}{1 + \frac{1}{4 + \frac{1}{2}}} \right) \text{ of } 1 \frac{13}{21} \div 3 \frac{2}{7} \right] - \frac{1}{3} \times \frac{9}{10} ?$

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

Question ID : 65497817593
Chosen Option : 4

Q.13 Study the following graph that shows the number of boys and girls who appeared for the Class X examination in a school XYZ, in different years.



The total number of girls who appeared in 2012, 2013 and 2015 is what percentage less than the total number of boys who appeared in all the five years (correct to one decimal place)?

- Ans**
- 1. 32.6%
 - 2. 33.3%
 - 3. 29.7%
 - 4. 30.1%

Question ID : 65497816686

Chosen Option : 4

Q.14 If the HCF of two numbers is 12 and LCM of the same two numbers is 48, then the square root of the product of these numbers is:

- Ans**
- 1. 16
 - 2. 24
 - 3. 48
 - 4. 12

Question ID : 65497816682

Chosen Option : 2

Q.15 The ratio of boys and girls in a school is 35 : 39. If the average of boys and girls in the school is 740, then the number of girls in the school is:

- Ans**
- 1. 780
 - 2. 740
 - 3. 700
 - 4. 720

Question ID : 65497816673

Chosen Option : 1

Q.16 The value of $500 \div \frac{3}{8} \text{ of } \frac{2}{3} \div \left[\frac{5}{3} \text{ of } 300 + 7\frac{1}{2} \div 5\frac{1}{2} \times 1100 \right]$ is:

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

Question ID : 65497815471
Chosen Option : 4

Q.17 When an article is sold for ₹388, there is a loss of 3%. What is the selling price (in ₹) of the article, if it is sold at a gain of 8%?

- Ans
- 1. 412
 - 2. 444
 - 3. 432
 - 4. 460

Question ID : 65497816671
Chosen Option : 3

Q.18 If the radius of a circle is increased by 19%, then by what percentage will its area increase?

- Ans
- 1. 27.89%
 - 2. 32.85%
 - 3. 11.91%
 - 4. 41.61%

Question ID : 65497816679
Chosen Option : 4

Q.19 When x is subtracted from each of 21, 22, 60 and 64, the numbers so obtained in this order, are in proportion, what is the mean proportional between $(x-2)$ and $(2x+8)$?

- Ans
- 1. 16
 - 2. 12
 - 3. 10
 - 4. 14

Question ID : 65497816675
Chosen Option : 2

Q.20 In a constituency, 60% of the voters are males and the rest are females. 40% of the males are illiterates and 25% of females are literates. By what percentage is the number of literate males more than that of illiterate females?

- Ans
- 1. 20%
 - 2. 17.5%
 - 3. 25%
 - 4. 22.5%

Question ID : 65497816670
Chosen Option : 1

Q.21 If the annual rate of simple interest increased from 8% to $12\frac{1}{2}\%$, a person's yearly income increased by ₹459. The principal amount (in ₹) is:

- Ans
- 1. 8,200
 - 2. 12,500
 - 3. 10,200
 - 4. 11,250

Question ID : 65497816677
Chosen Option : 3

Q.22 'A' can complete the 60% of the work in 9 days, while 'B' can complete the work in $7\frac{1}{2}$ days. If they work together, then in how many days will the work be completed?

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

Question ID : 65497816664
Chosen Option : 3

Q.23 An open tank is 25 m long, 12 m wide and 6 m deep. The cost (in ₹) of plastering its walls and bottom from the inside at ₹15 per m^2 is:

- Ans
- 1. 11,160
 - 2. 12,500
 - 3. 13,275
 - 4. 10,800

Question ID : 65497816681
Chosen Option : 1

Q.24 The sum of the cost price of two bikes is ₹50,000. The first bike was sold at a profit of 20%, and the second bike at a loss of 20%. If the selling prices are the same, what is the cost price (in ₹) of the first bike that was sold?

- Ans**
- ✓ 1. 20,000
 - ✗ 2. 25,000
 - ✗ 3. 30,000
 - ✗ 4. 27,500

Question ID : 65497816672
Chosen Option : 1

Q.25 The total number of students in class A and B is 72. The number of students in A is 40% more than that in B. The average marks of students in B are 50% more than that of students in A. If the average marks of all the students in A and B are 58, then what are the average marks of students in B?

- Ans**
- ✓ 1. 72
 - ✗ 2. 58
 - ✗ 3. 50
 - ✗ 4. 48

Question ID : 65497816668
Chosen Option : 1

