

Section : Quantitative Aptitude(Basic Arithmetic Skill)

Q.1 The measures of three angles of a triangle are in the ratio of 3 : 2 : 1. The triangle is a/an:

- Ans
- 1. equilateral triangle
 - 2. obtuse angled triangle
 - 3. acute angled triangle
 - 4. right angled triangle

Question ID : 4244291174
Status : Answered
Chosen Option : 4

Q.2 The value of $1\frac{3}{4} - [3\frac{1}{8} \div \{6 - (2\frac{3}{4} - \frac{11}{12})\}]$ is:

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

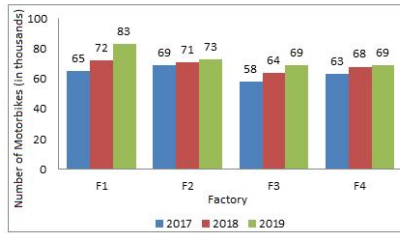
Question ID : 4244291180
Status : Answered
Chosen Option : 1

Q.3 The ratio of present ages (in years) of a father and son is 15 : 8. Six years ago, the ratio of their ages was 13 : 6. What is the father's present age?

- Ans
- 1. 45 years
 - 2. 58 years
 - 3. 65 years
 - 4. 78 years

Question ID : 4244291176
Status : Answered
Chosen Option : 1

Q.4 The following bar graph shows the sales (in thousands) of motor bikes by the factories, F1, F2, F3 and F4 in 2017, 2018 and 2019.



What is the ratio of total sales of F1 to that of F4 across all years?

- Ans**
- 1. 11 : 10
 - 2. 10 : 9
 - 3. 9 : 11
 - 4. 3 : 7

Question ID : 4244291187

Status : **Answered**

Chosen Option : 1

Q.5 If $x + \frac{1}{x} = 4$, then find the value of $x^4 + \frac{1}{x^4}$

- Ans**
- 1. 194
 - 2. 128
 - 3. 136
 - 4. 162

Question ID : 4244291177

Status : **Answered**

Chosen Option : 1

Q.6 Prem purchased an old printer for ₹3,200 and spent ₹600 on its repair. He sold it for ₹4,280. His profit per cent is closest to: (correct upto two decimal places)

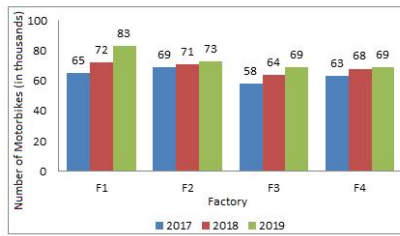
- Ans**
- 1. 15.78%
 - 2. 16.92%
 - 3. 18.45%
 - 4. 12.63%

Question ID : 4244291169

Status : **Answered**

Chosen Option : 4

Q.7 The following bar graph shows the sales (in thousands) of motor bikes by the factories, F1, F2, F3 and F4 in 2017, 2018 and 2019.



Which factory had the least number of sales across all the years?

- Ans**
- 1. F4
 - 2. F2
 - 3. F3
 - 4. F1

Question ID : 4244291185

Status : Answered

Chosen Option : 3

Q.8 A circle is drawn circumscribing a rectangle of sides 24 cm and 7 cm. Find the area of the circle. (Take $\pi = 3.14$)

- Ans**
- 1. 490.625 cm²
 - 2. 420.545 cm²
 - 3. 397.982 cm²
 - 4. 478.967 cm²

Question ID : 4244291165

Status : Answered

Chosen Option : 1

Q.9 Three sides of a triangle measure 6 cm, 10 cm and x cm. The minimum integral value of x is:

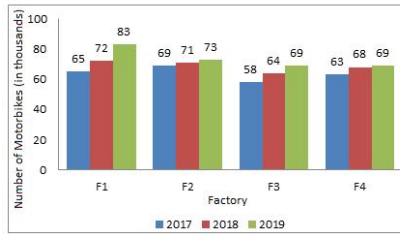
- Ans**
- 1. 2
 - 2. 3
 - 3. 5
 - 4. 1

Question ID : 4244291175

Status : Answered

Chosen Option : 3

Q.10 The following bar graph shows the sales (in thousands) of motor bikes by the factories, F1, F2, F3 and F4 in 2017, 2018 and 2019.



Which factory had the highest sales across all the years?

- Ans**
- 1. F2
 - 2. F1
 - 3. F4
 - 4. F3

Question ID : 4244291184

Status : Answered

Chosen Option : 2

Q.11 A man took a loan from a bank at the rate of 11 % p.a. simple interest. After three years, he had to pay ₹9,570 interest only for the period. The principal amount borrowed by him was:

- Ans**
- 1. ₹26,545
 - 2. ₹27,685
 - 3. ₹25,000
 - 4. ₹29,000

Question ID : 4244291171

Status : Answered

Chosen Option : 4

Q.12 If $\sec A = \frac{5}{3}$, then what is the value of $\cot A$?

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

Question ID : 4244291181

Status : Answered

Chosen Option : 4

Q.13 What should be the value of N to make 396258N divisible by 8?

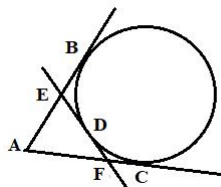
- Ans
- 1. 6
 - 2. 2
 - 3. 8
 - 4. 4

Question ID : 4244291179

Status : Answered

Chosen Option : 4

Q.14 In the given figure, AB, AC and EF are tangents to a circle. If AC = 15 cm and DE = 3 cm, then the length of AE is:



- Ans
- 1. 12 cm
 - 2. 9 cm
 - 3. 24 cm
 - 4. 18 cm

Question ID : 4244291172

Status : Answered

Chosen Option : 1

Q.15 If a shopkeeper sells an item that is marked as ₹3,685 for ₹2,845, then how much discount is he offering?

- Ans
- 1. 29.52%
 - 2. 26.59%
 - 3. 34.87%
 - 4. 22.795%

Question ID : 4244291167

Status : Answered

Chosen Option : 4

Q.16 Amir and Akbar can finish a task in 30 days and 15 days, respectively. Akbar worked on the task for 8 days and left the job. In how many days can Amir alone finish the remaining work?

- Ans
- 1. 17 days
 - 2. 15 days
 - 3. 14 days
 - 4. 16 days

Question ID : 4244291163

Status : Answered

Chosen Option : 3

Q.17 A library has an average of 265 visitors on Sundays and 130 visitors on other days. The average number of visitors per day in a month of 30 days beginning with a Monday is:

- Ans
- 1. 148
 - 2. 165
 - 3. 135
 - 4. 129

Question ID : 4244291166
Status : Answered
Chosen Option : 1

Q.18 If $\cos A = 2 \sin A$, then $\operatorname{cosec} A$ is equal to:

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

Question ID : 4244291182
Status : Answered
Chosen Option : 3

Q.19 The ratio of the number of men and women in a factory is 14 : 19. If the total number of employees in the factory is 2145, then the number of women in the factory is:

- Ans
- 1. 1367
 - 2. 1645
 - 3. 1235
 - 4. 1976

Question ID : 4244291170
Status : Answered
Chosen Option : 3

Q.20 The value of $\sin^4 \theta + \cos^4 \theta + 2 \sin^2 \theta \cos^2 \theta$ is:

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

Question ID : 4244291183
Status : Answered
Chosen Option : 1

Q.21 68 is 25% of which of the following numbers?

- Ans
- 1. 204
 - 2. 136
 - 3. 285
 - 4. 272

Question ID : 4244291168

Status : Answered

Chosen Option : 4

Q.22 How much time (in minutes) will a dog take to run around a square field of side 75 m if it runs at the rate of 6 km/hr?

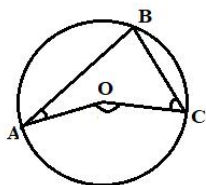
- Ans
- 1. 2.5
 - 2. 3
 - 3. 1.8
 - 4. 3.6

Question ID : 4244291164

Status : Answered

Chosen Option : 2

Q.23 In the given figure, O is the centre of the circle. If $\angle BAO = 30^\circ$ and $\angle BCO = 50^\circ$, then $\angle AOC$ is equal to:



- Ans
- 1. 80°
 - 2. 60°
 - 3. 160°
 - 4. 40°

Question ID : 4244291173

Status : Answered

Chosen Option : 3

Q.24 The equation of a straight line on a point (3, -5) and slope 2 is:

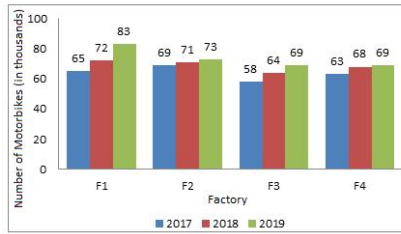
- Ans
- 1. $2x - y - 11 = 0$
 - 2. $3x - 2y - 5 = 0$
 - 3. $3x - 5y - 2 = 0$
 - 4. $5x - 2y + 3 = 0$

Question ID : 4244291178

Status : Answered

Chosen Option : 1

Q.25 The following bar graph shows the sales (in thousands) of motor bikes by the factories, F1, F2, F3 and F4 in 2017, 2018 and 2019.



Which of the factories witnessed the highest increase in the percentage of sales from 2018 to 2019?

- Ans**
- 1. F2
 - 2. F3
 - 3. F4
 - 4. F1

Question ID : 4244291186

Status : Answered

Chosen Option : 4