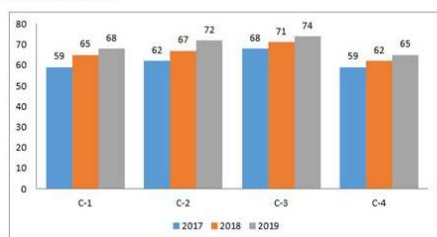


Section : Quantitative Aptitude(Basic Arithmetic Skill)

**Q.1** The given data shows the number of mobiles (in thousands) manufactured by companies C-1, C-2, C-3 and C-4 in 2017, 2018 and 2019.



Which company manufactured the highest number of mobiles across all the years?

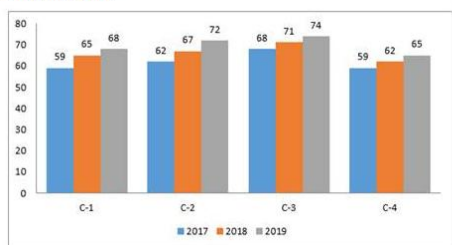
- Ans**
- 1. C-4
  - 2. C-1
  - 3. C-3
  - 4. C-2

Question ID : 8161611228

Status : Answered

Chosen Option : 3

**Q.2** The given data shows the number of mobiles (in thousands) manufactured by companies C-1, C-2, C-3 and C-4 in 2017, 2018 and 2019.



Which company witnessed the highest increase in manufacturing from 2017 to 2018?

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

Question ID : 8161611231  
 Status : Answered  
 Chosen Option : 2

**Q.3** If the cost price of 25 articles is equal to the selling price of 35 articles find the profit/loss percentage.

- Ans**
- 1. Loss – 28.57%
  - 2. Profit – 28.57%
  - 3. Profit – 18.93%
  - 4. Loss – 18.93%

Question ID : 8161611213  
 Status : Answered  
 Chosen Option : 1

**Q.4** If  $\operatorname{cosec} A = \frac{25}{7}$ , then what is the value of  $\tan A$ ?

- Ans**
- 1.  $\frac{7}{25}$
  - 2.  $\frac{7}{24}$
  - 3.  $\frac{24}{25}$
  - 4.  $\frac{25}{24}$

Question ID : 8161611225  
 Status : Answered  
 Chosen Option : 2

Q.5 A triangle is NOT said to be a right-angled triangle if its sides measure:

- Ans
- 1. 5 cm, 7 cm and 9 cm
  - 2. 6 cm, 8 cm and 10 cm
  - 3. 5 cm, 12 cm and 13 cm
  - 4. 3 cm, 4 cm and 5 cm

Question ID : 8161611218  
Status : Answered  
Chosen Option : 1

Q.6 How much time will a horse take to run around a square field of side 175 m if it runs at the speed of 15 km/hr?

- Ans
- 1. 180 sec
  - 2. 175 sec
  - 3. 155 sec
  - 4. 168 sec

Question ID : 8161611208  
Status : Answered  
Chosen Option : 4

Q.7 P and Q can finish a work in 10 days and 5 days, respectively. Q worked for 2 days and left the job. In how many days can P alone finish the remaining work?

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

Question ID : 8161611207  
Status : Answered  
Chosen Option : 1

Q.8 A chair was purchased for ₹785 and sold at a profit of 22%. What was the selling price?

- Ans
- 1. ₹857.9
  - 2. ₹957.7
  - 3. ₹987.4
  - 4. ₹768.3

Question ID : 8161611212  
Status : Answered  
Chosen Option : 2

**Q.9** A shopkeeper purchased pens in bulk for ₹28 each. He sold each for ₹40. What was his profit percentage?

- Ans
- 1. 48.12%
  - 2. 28.40%
  - 3. 42.85%
  - 4. 38.75%

Question ID : 8161611211  
Status : Answered  
Chosen Option : 3

**Q.10** A car travels 105 km in 3 hours and a train travels 252 km in 4 hours. The ratio of speed of the car to that of the train is:

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

Question ID : 8161611214  
Status : Answered  
Chosen Option : 3

**Q.11** Find the circumference of a circle whose diameter is 12 inches.

- Ans
- 1. 87.4672 cm
  - 2. 88.1876 cm
  - 3. 90.2348 cm
  - 4. 95.7072 cm

Question ID : 8161611216  
Status : Not Answered  
Chosen Option : --

**Q.12** If one-fifth of one-fourth of a number is 35, then what is seven-eighth of that number?

- Ans
- 1. 624.5
  - 2. 612.5
  - 3. 723.5
  - 4. 715

Question ID : 8161611224  
Status : Answered  
Chosen Option : 2

**Q.13** The given data shows the number of mobiles (in thousands) manufactured by companies C-1, C-2, C-3 and C-4 in 2017, 2018 and 2019.



What is the ratio of total products manufactured by C-1 to that of C-4?

- Ans**
- 1. 11 : 13
  - 2. 14 : 21
  - 3. 27 : 35
  - 4. 32 : 31

Question ID : 8161611230  
 Status : Answered  
 Chosen Option : 4

**Q.14**  $(\sin \theta + \cos \theta)^2 = 2$ ,  $0^\circ < \theta < 90^\circ$ , then the value of  $\theta$  is:

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

Question ID : 8161611227  
 Status : Answered  
 Chosen Option : 3

**Q.15** The length and breadth of a rectangle are in the ratio 5 : 3. If the length is 8 m more than the breadth, what is the area of the rectangle?

- Ans**
- 1. 360 m<sup>2</sup>
  - 2. 240 m<sup>2</sup>
  - 3. 380 m<sup>2</sup>
  - 4. 400 m<sup>2</sup>

Question ID : 8161611219  
 Status : Answered  
 Chosen Option : 2

Q.16 Find the value of  $\cos 225^\circ$

- Ans
- 1. 0.7071
  - 2. 0.866
  - 3. -0.866
  - 4. -0.7071

Question ID : 8161611226  
Status : Answered  
Chosen Option : 4

Q.17 Latha deposited an amount of ₹35,000 in a bank with simple interest 11% per annum. How much interest will she earn after one year?

- Ans
- 1. ₹3,370
  - 2. ₹3,220
  - 3. ₹3,500
  - 4. ₹3,850

Question ID : 8161611215  
Status : Answered  
Chosen Option : 4

Q.18 The equation of circle with centre (1,-2) and radius 4 cm is:

- Ans
- 1.  $x^2 + y^2 + 2x - 4y = 11$
  - 2.  $x^2 + y^2 + 2x - 4y = 16$
  - 3.  $x^2 + y^2 - 2x + 4y = 16$
  - 4.  $x^2 + y^2 - 2x + 4y = 11$

Question ID : 8161611217  
Status : Answered  
Chosen Option : 3

Q.19 There are five stations on a railway line. What is the number of different journey tickets that are required for railway authorities?

- Ans
- 1. 30
  - 2. 25
  - 3. 35
  - 4. 20

Question ID : 8161611222  
Status : Answered  
Chosen Option : 4

**Q.20** The given data shows the number of mobiles (in thousands) manufactured by companies C-1, C-2, C-3 and C-4 in 2017, 2018 and 2019.



Which company manufactured the least number of mobiles across all the years?

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

Question ID : 8161611229  
Status : Answered  
Chosen Option : 3

**Q.21** Find the volume (in  $\text{cm}^3$ ) of a sphere whose radius is 7.5 cm.

- Ans**
- 1. 1767.85
  - 2. 1489.12
  - 3. 1985.23
  - 4. 1683.25

Question ID : 8161611209  
Status : Answered  
Chosen Option : 1

**Q.22** Which of the following numbers is divisible by 4?

- Ans**
- 1. 897654
  - 2. 954782
  - 3. 674536
  - 4. 267834

Question ID : 8161611223  
Status : Answered  
Chosen Option : 3

**Q.23** A man buys 2 apples and 3 kiwi fruits for ₹37. If he buys 4 apples and 5 kiwi fruits for ₹67, then what will be the total cost of 1 apple and 1 kiwi fruit?

- Ans
- 1. ₹18
  - 2. ₹20
  - 3. ₹15
  - 4. ₹28

Question ID : 8161611221  
Status : Answered  
Chosen Option : 3

**Q.24** If a number is divided by 3, the remainder will be 2. If the number is added by 5 and then divided by 3, then what will be the remainder?

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

Question ID : 8161611220  
Status : Answered  
Chosen Option : 2

**Q.25** The average price of three items is ₹14,265. If their prices are in the ratio 7 : 9 : 11, then the price of the costliest item is:

- Ans
- 1. ₹16,235
  - 2. ₹14,875
  - 3. ₹17,435
  - 4. ₹19,875

Question ID : 8161611210  
Status : Answered  
Chosen Option : 3