

Section : Numerical Aptitude

Q.1 The value of  $16 + [0.2 \div 0.004 + 5.2 \text{ of } 2 \div (0.7 \times 2 + 0.84 \div 0.7)]$  is:

- Ans
- 1. 75
  - 2. 65
  - 3. 60
  - 4. 70

Question ID : 65497816078  
Chosen Option : 4

Q.2 What is the value of the following expression?

$$108 \div 18 \times 3 - 64 \times 2 \div 32 + 80 \div 5 \text{ of } 4$$

- Ans
- 1. 78
  - 2. 62
  - 3. 2
  - 4. 18

Question ID : 65497818299  
Chosen Option : 1



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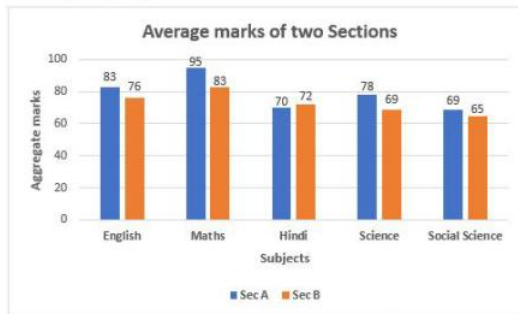
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**Q.3** A room has length 15 feet, width 12 feet and height 10 feet. It has one door of dimensions 8 ft and 3.5 ft, and 2 windows of size 5 ft × 3 ft. Find the cost of painting the four walls and the ceiling at ₹50 per ft<sup>2</sup>.

- Ans**
- 1. ₹19,600
  - 2. ₹21,200
  - 3. ₹24,100
  - 4. ₹33,100

Question ID : 65497817994  
Chosen Option : 1

**Q.4** The average marks of the students of section A and section B of class XI in a school have been presented in the following bar graph.



In which subject is difference in the average marks of the two sections the highest?

- Ans**
- 1. English
  - 2. Maths
  - 3. Science
  - 4. Social Science

Question ID : 65497817998  
Chosen Option : --

**Q.5** सुशांत, ₹8,000 का सामान खरीदता है। उसे, उस सामान पर 10% की छूट मिलती है। छूट मिलने के बाद, वह 7.5% की दर से कर का भुगतान करता है। वह राशि ज्ञात करें, जो उसे अपने आवास पर प्राप्त इस सामान के लिए चुकानी होगी, यदि दुकानदार होम डिलीवरी के लिए ₹200 लेता है।

- Ans**
- 1. ₹7,940
  - 2. ₹8,155
  - 3. ₹9,660
  - 4. ₹6,851

Question ID : 65497817983  
Chosen Option : 2



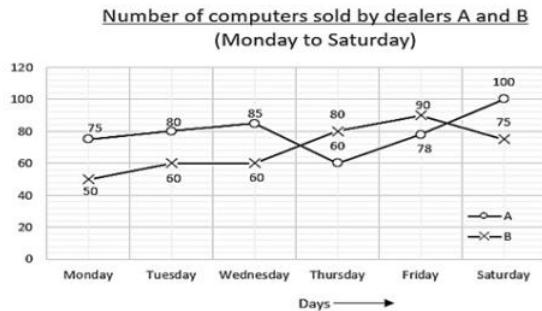
**Q.6** A bucket in the shape of the frustum of a cone has its top and bottom radii as 20 cm and 10 cm, respectively. The depth of the bucket is 24 cm. The capacity of the bucket is: (Take  $\pi = \frac{22}{7}$ )

- Ans
- 1.  $8800 \text{ cm}^3$
  - 2.  $13200 \text{ cm}^3$
  - 3.  $17000 \text{ cm}^3$
  - 4.  $17600 \text{ cm}^3$

Question ID : 65497817993

Chosen Option : --

**Q.7** Study the given graph and answer the question that follows.



What is the difference between the total number of computers sold by dealer A on Monday, Tuesday and Friday and total number of computers sold by dealer B on Wednesday, Thursday and Saturday?

- Ans
- 1. 24
  - 2. 18
  - 3. 21
  - 4. 17

Question ID : 65497817999

Chosen Option : 1

**Q.8** If  $x : y = 5 : 7$ , then  $(6x - y) : (5x + 3y)$  is equal to:

- Ans
- 1. 1 : 4
  - 2. 11 : 2
  - 3. 4 : 1
  - 4. 1 : 2

Question ID : 65497817986

Chosen Option : 4



**Q.9** A shopkeeper earns 25% profit, if he sells an article at 10% discount on the marked price ₹2,500. Find his profit.

- Ans**
- 1. ₹450
  - 2. ₹400
  - 3. ₹375
  - 4. ₹350

Question ID : 65497817984

Chosen Option : 1

**Q.10** A truck driver has to cover a total distance of 260 km in 4 hours. He drives at a speed of 56 km/h for the first 75 minutes, and the next 90 km at a speed of 60 km/h. At what speed (in km/h) must he drive the remaining distance in order to complete the journey in 4 hours?

- Ans**
- 1. 65
  - 2. 58
  - 3. 80
  - 4. 75

Question ID : 65497817979

Chosen Option : 4

**Q.11** If a man completes  $\frac{3}{7}$  work in 6 days, then how many more days will he require for completing the remaining work?

- Ans**
- 1. 8
  - 2. 14
  - 3. 9
  - 4. 7

Question ID : 65497817976

Chosen Option : 1

**Q.12** Find the smallest number such that when it is divided by 5, 6 and 8 it leaves a remainder 3 in each case.

- Ans**
- 1. 243
  - 2. 123
  - 3. 117
  - 4. 792

Question ID : 65497817995

Chosen Option : 3



Q.13 The average of the square of first seven natural numbers is:

- Ans
- 1. 16
  - 2. 29
  - 3. 25
  - 4. 20

Question ID : 65497817980  
Chosen Option : 4

Q.14 The average of three numbers is 45. The first number is thrice the second, and the second number is twice the third. Find the difference between the first number and the second number.

- Ans
- 1. 75
  - 2. 45
  - 3. 60
  - 4. 15

Question ID : 65497817981  
Chosen Option : 3

Q.15 Shekhar walked a distance at a speed of 8 km/h. He was in a hurry, so on the return journey he travelled in an autorickshaw at a speed of 24 km/h. Find his average speed for the entire journey.

- Ans
- 1. 20 km/h
  - 2. 32 km/h
  - 3. 12 km/h
  - 4. 16 km/h

Question ID : 65497817978  
Chosen Option : 3

Q.16 If a sum increases by 21% after 2 years, then the rate of compound interest per annum, when compounded annually, must be:

- Ans
- 1. 10.5%
  - 2. 11.5%
  - 3. 10%
  - 4. 11%

Question ID : 65497817989  
Chosen Option : 3



**Q.17** A shopkeeper purchased 20 dozen pens at the rate of ₹190 per dozen, and spent ₹200 as to and for expenses to the wholesale market. He sold the pens at the rate of ₹22/pen. Find his profit percentage.

- Ans**
- 1.  $38\frac{18}{19}\%$
  - 2. 20%
  - 3. 22%
  - 4. 32%

Question ID : 65497817985  
Chosen Option : 2

**Q.18** Ratio between average of first four prime numbers and first four composite numbers is

- Ans**
- 1. 13 : 10
  - 2. 17 : 27
  - 3. 11 : 27
  - 4. 17 : 19

Question ID : 65497817991  
Chosen Option : 1

**Q.19** A container has 30 litres of milk, from which 3 litres of milk is taken out and replaced with water. The process is done three times. What is the final ratio of the water and the milk in the container?

- Ans**
- 1. 729 : 271
  - 2. 19 : 81
  - 3. 81 : 19
  - 4. 271 : 729

Question ID : 65497817988  
Chosen Option : 1

**Q.20** Two kinds of rice, the first costing ₹65 per kg and the second ₹95 per kg, are mixed together. Find the ratio in which the 2 types are mixed so that the mixture costs ₹83 per kg.

- Ans**
- 1. 19 : 13
  - 2. 13 : 19
  - 3. 2 : 3
  - 4. 3 : 2

Question ID : 65497817987  
Chosen Option : 1



**Q.21** 6 men and 10 boys, as well as 2 men and 20 boys can finish the same work in 12 days. In how many days will 10 boys finish the same work?

- Ans**
- 1. 24
  - 2. 26
  - 3. 16
  - 4. 30

Question ID : 65497817977  
Chosen Option : 1

**Q.22** During festivals, a banner on a shop displays, 'Pay for 3 and get 5'. The discount percentage offered is:

- Ans**
- 1.  $166\frac{2}{3}\%$
  - 2. 60%
  - 3. 40%
  - 4.  $66\frac{2}{3}\%$

Question ID : 65497817982  
Chosen Option : 1

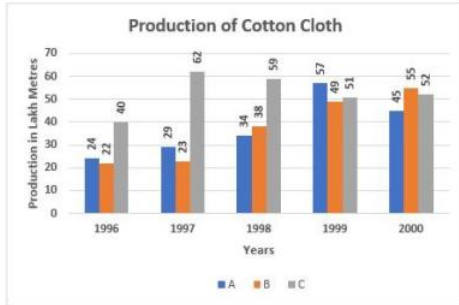
**Q.23** A rectangle of dimensions 10 cm and 5 cm is placed adjacent to another rectangle of the same size to draw an L shape figure. Find the perimeter of the shape so formed.

- Ans**
- 1. 100 cm
  - 2. 40 cm
  - 3. 50 cm
  - 4. 60 cm

Question ID : 65497817992  
Chosen Option : 1



**Q.24** The following graph shows the production of cotton cloth (in lakh metres) by three companies A, B and C over five years.



In which years was the average production of the companies, more than 38 lakh metres?

- Ans**
- 1. 1997, 1998, 1999, 2000
  - 2. 1998, 1999, 2000
  - 3. 1997
  - 4. 1999

Question ID : 65497818000  
Chosen Option : 1

**Q.25** The simple interest accrued on a sum of ₹15,000 at the end of 5 years is ₹9,750. If the rate of interest is 3% lesser, then the interest would be

- Ans**
- 1. ₹7,950
  - 2. ₹5,850
  - 3. ₹3,250
  - 4. ₹7,500

Question ID : 65497817990  
Chosen Option : 1

