

Section : Numerical Aptitude

Q.1 The ratio of two numbers is 9 : 13 and their HCF is 6. Their LCM is:

- Ans**
- 1. 720
 - 2. 710
 - 3. 702
 - 4. 602

Question ID : 65497815975
Chosen Option : 3

Q.2 The capacity of a cuboidal tank is 12288 kilolitres. Its length is 32 m, and its breadth and height are in the ratio of 3 : 2. What is the breadth (in m) of the tank?

- Ans**
- 1. 16
 - 2. 28
 - 3. 21
 - 4. 24

Question ID : 65497815068
Chosen Option : 4

Q.3 A, B and C can do a work separately in 20, 35 and 60 days, respectively. They started the work together, but B and C left 8 days and 12 days, respectively, before the completion of the work. In how many days will the work be completed?

- Ans**
- 1. 20 days
 - 2. 15 days
 - 3. 10 days
 - 4. 12 days

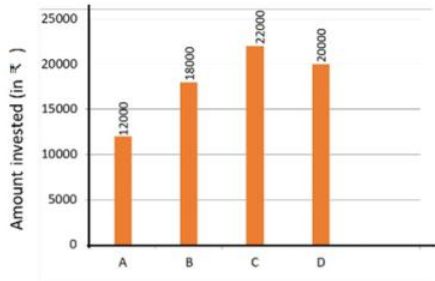
Question ID : 65497815957
Chosen Option : 4

Q.4 ₹63,404 is divided between A and B in the ratio 4 : 7. The difference between 5 times the share of A and 2 times the share of B is:

- Ans**
- 1. ₹45,384
 - 2. ₹34,584
 - 3. ₹34,580
 - 4. ₹43,458

Question ID : 65497815967
Chosen Option : 2

Q.5 The given bar graph shows the sum invested by 4 different persons, A, B, C and D, in a bank on simple interest. Study the graph and answer the question given below.



Find the amount received by C after 3 years if the rate of interest is 8.5% p.a.

- Ans**
- 1. ₹27,610
 - 2. ₹27,600
 - 3. ₹25,600
 - 4. ₹25,610

Question ID : 65497815978
Chosen Option : 1

Q.6 The diameter of an iron ball used for shot-put is 21 cm. It is melted and then a cylinder of height 3.5 cm is made. The curved surface area of the cylinder will be:

(Take $\pi = \frac{22}{7}$)

- Ans**
- 1. 462 cm^2
 - 2. 464 cm^2
 - 3. 362 cm^2
 - 4. 460 cm^2

Question ID : 65497815974
Chosen Option : 1

Q.7 The average of $\frac{1}{4}$ of A and $\frac{1}{3}$ of B is 5, and the average of $\frac{1}{2}$ of A and $\frac{1}{2}$ of B is 9. The average of 2A and 3B is:

- Ans
- 1. 42
 - 2. 46
 - 3. 32
 - 4. 40

Question ID : 65497815961
Chosen Option : 2

Q.8 The average of four consecutive odd numbers a, b, c and d is 18. The average of b and c is:

- Ans
- 1. 15
 - 2. 18
 - 3. 12
 - 4. 14

Question ID : 65497815960
Chosen Option : 2

Q.9 Raghu bought an article for ₹6,800 and spent ₹700 on its repairs. He marked this article at 8% above the overall cost price. He sold the article for ₹6,480 after giving x% discount. The value of x is:

- Ans
- 1. 15%
 - 2. 25%
 - 3. 18%
 - 4. 20%

Question ID : 65497815962
Chosen Option : 2

Q.10 The area of the floor of a cubical room is 147 m^2 . The length of the longest rod that can be kept in the room is:

- Ans
- 1. 15 m
 - 2. 18 m
 - 3. 21 m
 - 4. 16 m

Question ID : 65497815972
Chosen Option : --

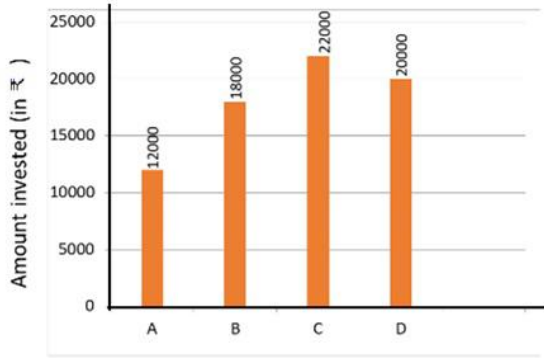
Q.11 The difference between the selling prices of some apples, if sold for ₹12 per apple instead of ₹9 per apple, is ₹870. If total cost price of all the apples is ₹2,320, then find the selling price of one apple if the profit earned is 25%.

- Ans
- 1. ₹15
 - 2. ₹10
 - 3. ₹12
 - 4. ₹8

Question ID : 65497815965
Chosen Option : --



Q.12 The given bar graph shows the sum invested by 4 different persons, A, B, C and D, in a bank on simple interest. Study the graph and answer the question given below.



If the amount received by B after 5 years at rate of interest R% p.a. is equal to the amount received by D after $3\frac{1}{2}$ years at the same rate of interest p.a., then the value of R is:

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

Question ID : 65497815980
Chosen Option : 4

Q.13 The mean of 12 numbers is 25. If one number is excluded, their mean is 22. Find the excluded number.

- Ans
- 1. 52
 - 2. 50
 - 3. 58
 - 4. 48

Question ID : 65497815971
Chosen Option : 3

Q.14 Suresh and Dinesh travel a distance of 120 km such that the speed of Suresh is more than that of Dinesh. The sum of their speeds is 75 km/h, and the total time taken by both is 6 hours and 40 minutes. The speed of Suresh is:

- Ans
- 1. 45 km/h
 - 2. 42 km/h
 - 3. 40 km/h
 - 4. 30 km/h

Question ID : 65497815959
Chosen Option : 1

Q.15 40% of the candidates in an examination were girls. 35% of the boys and 20% of the girls failed, and 585 boys passed in the examination. The number of girls who passed were:

- Ans**
- 1. 460
 - 2. 450
 - 3. 580
 - 4. 480

Question ID : **65497815963**
Chosen Option : 4

Q.16 A man sells apples, bananas and oranges at 20%, 25% and 30% profit, respectively. If the ratio of the cost of the fruits is 2 : 3 : 5, and the fruits are sold in the ratio 5 : 4 : 2, then his profit percentage is:

- Ans**
- 1. 18%
 - 2. 30%
 - 3. 20%
 - 4. 25%

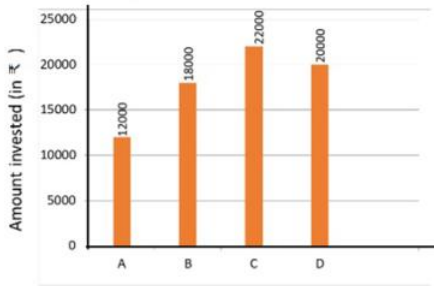
Question ID : **65497815968**
Chosen Option : --

Q.17 A and B working together can do 36% of a work in 9 days. B alone can do the work in 30 days. How long will A alone take to do the work?

- Ans**
- 1. 120 days
 - 2. 140 days
 - 3. 150 days
 - 4. 160 days

Question ID : **65497815956**
Chosen Option : 3

Q.18 The given bar graph shows the sum invested by 4 different persons, A, B, C and D, in a bank on simple interest. Study the graph and answer the question given below.



The interest received by A after 4 years at some rate of interest p.a. is ₹3,840. If the rate of interest is increased by 2%, then the amount received by A after the same period is:

- Ans**
- 1. ₹15,800
 - 2. ₹16,800
 - 3. ₹15,000
 - 4. ₹16,000

Question ID : 65497815979
Chosen Option : 2

Q.19 The ratio of the present ages of a mother and daughter is 3 : 1. Five years ago, the ratio of their ages was 5 : 1. Find the age of the mother 41 years hence.

- Ans**
- 1. 68 years
 - 2. 65 years
 - 3. 71 years
 - 4. 70 years

Question ID : 65497815966
Chosen Option : --

Q.20 Arvind bought eight washing machines at ₹16,000 each and sold all of them at a total price of ₹1,12,640. Find his profit or loss percentage.

- Ans**
- 1. Loss 15%
 - 2. Loss 12%
 - 3. Profit 15%
 - 4. Profit 12%

Question ID : 65497815964
Chosen Option : --

Q.21 Solve for x , if $(3 \times 22) \div (5^2 + 2^3) - 2^x = -30$

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

Question ID : 65497817289
Chosen Option : 1

Q.22 If a certain sum at compound interest becomes $2\frac{1}{2}$ times in 5 years, then in how many years will it become $6\frac{1}{4}$ times, at the same rate of interest p.a.?

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

Question ID : 65497815969
Chosen Option : 2

Q.23 If the diameter of the base of a cone is 32 cm and its curved surface area is $3268\frac{4}{7} \text{ cm}^2$, then its height is:

(Take $\pi = \frac{22}{7}$)

- Ans
- 1. 63 cm
 - 2. 58 cm
 - 3. 60 cm
 - 4. 64 cm

Question ID : 65497815973
Chosen Option : --

Q.24 Suman lent ₹6,400 to Rahul for three years and ₹4,000 to Ganesh for 5 years on simple interest at the same rate of interest p.a., and received ₹4,116 in all from both as interest. The interest paid by Ganesh is:

- Ans
- 1. ₹2,000
 - 2. ₹2,200
 - 3. ₹2,100
 - 4. ₹1,800

Question ID : 65497815970
Chosen Option : --

Q.25 A man covers $\frac{3}{7}$ of a total journey by train, $\frac{5}{14}$ of the total journey by bus, and the remaining 3 km on foot. His total journey is:

- Ans**
- 1. 18 km
 - 2. 12 km
 - 3. 15 km
 - 4. 14 km

Question ID : **65497815958**
Chosen Option : 4