



Explore | Expand | Enrich

SIMPLIFICATIONS



Simplification

Simplification means to find out a final answer for a complex calculation.

Basic Topics on which Simplification is based on:

- BODMAS rules
- Approximation
- Percentage
- Squares
- Cubes



Question: 01

A man has Rs.480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has?

- A. 45
- B. 60
- C. 75
- D. 90

Answer: D



Question: 02

There are two examination rooms A and B. If 10 students are sent from A to B, then the number of students in each room is same. If 20 candidates are sent from B to A, then the number of students in A is double the number of students in B. The number of students in room A is:

- A. 20
- B. 80
- C. 100
- D. 200

Answer: C



Question: 03

The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is:

- A. Rs. 3500
- B. Rs. 3740
- C. Rs. 3840
- D. Rs. 3900

Answer: D



Question: 04

If $a - b = 3$ and $a^2 + b^2 = 29$, find the value of ab .

- A. 10
- B. 12
- C. 15
- D. 18

Answer: A

Question: 05

The price of 2 sarees and 4 shirts is Rs. 1600. With the same money one can buy 1 saree and 6 shirts. If one wants to buy 12 shirts, how much shall he have to pay?

- A. 1200
- B. 2400
- C. 3600
- D. 4800

Answer: B



Question: 06

A sum of Rs. 1360 has been divided among A, B and C such that A gets $\frac{2}{3}$ of what B gets and B gets $\frac{1}{4}$ of what C gets. B's share is:

- A. Rs. 120
- B. Rs. 160
- C. Rs. 240
- D. Rs. 300

Answer: C



Question: 07

One-third of Rahul's savings in National Savings Certificate is equal to one-half of his savings in Public Provident Fund. If he has Rs. 1,50,000 as total savings, how much has he saved in Public Provident Fund?

- A. Rs. 30,000
- B. Rs. 50,000
- C. Rs. 60,000
- D. Rs. 90,000

Answer: C



Question: 09

Eight people are planning to share equally the cost of a rental car. If one person withdraws from the arrangement and the others share equally the entire cost of the car, then the share of each of the remaining persons increased by:

- A. $\frac{1}{7}$
- B. $\frac{6}{8}$
- C. $\frac{1}{9}$
- D. $\frac{7}{8}$

Answer: A

Question: 10

To fill a tank, 25 buckets of water is required. How many buckets of water will be required to fill the same tank if the capacity of the bucket is reduced to two-fifth of its present?

- A. 10
- B. 32
- C. 62.5
- D. 75

Answer: C



Question: 11

In a regular week, there are 5 working days and for each day, the working hours are 8. A man gets Rs. 2.40 per hour for regular work and Rs. 3.20 per hours for overtime. If he earns Rs. 432 in 4 weeks, then how many hours does he work for?

- A. 160
- B. 175
- C. 180
- D. 195

Answer: B



Question: 12

Free notebooks were distributed equally among children of a class. The number of notebooks each child got was one-eighth of the number of children. Had the number of children been half, each child would have got 16 notebooks. Total how many notebooks were distributed?

- A. 256
- B. 432
- C. 512
- D. 640

Answer: C



Question: 13

A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be:

- A. 22
- B. 23
- C. 24
- D. 26

Answer: D



Question: 14

David gets on the elevator at the 11th floor of a building and rides up at the rate of 57 floors per minute. At the same time, Albert gets on an elevator at the 51st floor of the same building and rides down at the rate of 63 floors per minute. If they continue travelling at these rates, then at which floor will their paths cross?

- A. 19
- B. 28
- C. 30
- D. 37

Answer: C



Question: 15

Solve $5(1/2) + 6(1/2) - 8(1/4)$

- A. $2(3/4)$
- B. $3(3/4)$
- C. $2(1/4)$
- D. $2(2/4)$

Answer: B



/ethnuscodemithra



Ethnus Codemithra



/ethnus



/code_mithra

THANK YOU

<https://learn.codemithra.com/>



Explore | Expand | Enrich



codemithra@ethnus.com



+91 7815 095 095



+91 9019 921 340