

1) A person with some money spends $\frac{1}{3}$ for cloths, $\frac{1}{5}$ of the remaining for food and $\frac{1}{4}$ of the remaining for travel. He is left with Rs 100/-
How much did he have with him in the beginning?

Answer Rs.250/-

2) Grass in lawn grows equally thick and in a uniform rate. It takes 24 days for 70 cows and 60 days for 30 cows to eat the whole of the grass.
How many cows are needed to eat the grass in 96 days?

Answer:20cows

3) There is a safe with a 5 digit number as the key. The 4th digit is 4 greater than the second digit, while the 3rd digit is 3 less than the 2nd digit. The 1st digit is thrice the last digit. There are 3 pairs whose sum is 11. Find the number.

Answer:65292

4) Consider a number 235, where last digit is the sum of first two digits i.e. $2 + 3 = 5$. How many such 3-digit numbers are there?

Answer

There are 45 different 3-digit numbers.

5) There are 4 parties A,B,C,D. Ram told that either A or B will win. Shyam told C will never win. Hari told either B or C or D will win. Only one of them was Correct. Which party won?

Ans: C

6) A colck takes 33 seconds to complete the pendulum sound when it is 12:00 noon. How long one can hear the pendulum sound it is 6:00 a.m. ie the the difference between 1st sound and last sound.

Ans:15 Secs

7) There are 111 players participating in a singles tennis tournament. The player who is loosing will be out of the tournament. For each and every match, One new ball is taken. Find the no. of balls required for the entire tournament.

Ans:110

8) I have got some money in my bag .(which is stolen after shopping I and II). I spent 10% of my money for shopping (I) For second time,10% of the remaining money is spent for shopping (II) The total bill amount=Rs.18. Find the amount which will be remaining in the bag?

Answer: Rs.81

9) Three cards are drawn at random from an ordinary pack of cards. Find the probability that they will consist of a king, a queen and an ace.

Ans. $\frac{64}{2210}$.

10) A number of cats got together and decided to kill between them 999919 mice. Every cat killed an equal number of mice. Each cat killed more mice than there were cats. How many cats do you think there were ?

Ans. 991.

11) If $\log_2 x - 5 \log x + 6 = 0$, then what would the value / values of x be?

Ans. $x = e^2$ or e^3 .

12) The square of a two digit number is divided by half the number. After 36 is added to the quotient, this sum is then divided by 2.

The digits of the resulting number are the same as those in the original number, but they are in reverse order. The ten's place of the original number is equal to twice the difference between its digits. What is the number?

Ans. 46

13) Mr. Shah decided to walk down the escalator of a tube station. He found that if he walks down 26 steps, he requires 30 seconds to reach the bottom. However, if he steps down 34 stairs he would only require 18 seconds to get to the bottom. If the time is measured from the moment the top step begins to descend to the time he steps off the last step at the bottom, find out the height of the stair way in steps?

Ans. 46 steps.

14) The average age of 10 members of a committee is the same as it was 4 years ago, because an old member has been replaced by a young member. Find how much younger is the new member ?

Ans. 40 years.

15) ABCE is an isosceles trapezoid and ACDE is a rectangle. $AB = 10$ and $EC = 20$. What is the length of AE?

Ans. $AE = 10$.

16) In the given figure, PA and PB are tangents to the circle at A and B respectively and the chord BC is parallel to tangent PA. If $AC = 6$ cm, and length of the tangent AP is 9 cm, then what is the length of the chord BC?

Ans. $BC = 4$ cm.

17) Find the Missing Number 1, 5, 13, 25, ?

- a)41
- b)44
- c)23

Answer is 41

18) Find the odd man out 3, 5, 7, 12, 13, 17, 19

- a)7
- b)12
- c)17

Answer is 12

19) Find the Missing Number 6, 24, 60, 120, 210, ?

- a)331
- b)336
- c)333

Answer is 336

20) Find the Missing Number 1, 2, 4, 10, 16, 40, 64 (Successive terms are related)

- a)100
- b)200
- c)90

Answer is 200

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