Simple Equations

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Solve the following equations for x

1)$6x-27+3x=4+9-x$

A.4 B.5 C.6 D.-4

2)$19(x+y)+17=19(-x+y)-21$

A.-1 B.-2 C.-3 D.-4

Solve the following equations for respective values of x and y

1)3x+8y=30 and 6x-y=9

A.3,2 B.2,3 C.4,2 D.2,5

2)2x+5y=20 and 5x+6y=37

A.15,-2 B.5,2 C.-5,6 D.2,5

Solve the following equations for y

1)51x+49y=251 and 49x+51y=249

A.3 B.2 C.4 D.1

1)The cost of 16 pens and 8 pencils together is Rs.352 and the cost of 4 pens and 4 pencils together is Rs.96. Find the cost of each pen?

- A.32
- B.28
- C.36
- D.20

2)The cost of 2 chairs and 3 tables is Rs.1300.The cost of 3 chairs and 2 tables is Rs.1200.Then the cost of each table is more than that of each chair by_____

- A.50
- B.70
- C.60
- D.100

3)The denominator of a fraction is 1 less than twice the numerator. If the numerator and denominator are both increased by 1, then the fraction becomes 3/5.Find the fraction?

- A.2/3
- B.3/5
- C.4/7
- D.5/9

4) Three times the first of three consecutive odd integers is 3 more than twice the third. The third integer is:

- A. 9
- B. 11
- C. 13
- D. 15

5) A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:

- A.18
- B.24
- C.42
- D.81

6) The sum of the digits of a two-digit number is 15 and the difference between the digits is 3. What is the two-digit number?

- A.69
- B.78
- C.96
- D.Cannot be determined
- E.None of these

7)The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

- A.4 Years
- B.8 Years
- C.10Years
- D.12 Years

8) Father is aged three times more than his son Ronit. After 8 years, he would be two and a half times of Ronit's age. After further 8 years, how many times would he be of Ronit's age?

- **2 times**
- **2.5 times**
- **3 times**
- **3.5 times**