ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8
SUBJECT :Algebra & Geometry Work sheet 4
Marks:15 Linear Equations
Date:16.11.2020

Answer all thefollowing questions(1×15=15)

1. Rahul is 24 years older than his son Raj. After 2 years, Rahul's age will be three three times that of Raj.Find their present ages in years.

A)34,10

B)40,24

C)50,26

D)3,10

2.Solve : x – 10% of x = 27

A) 30
B) 5
C) 4
D) 3

3. Solve: 2.8 y = 54 + y

A) 3
B) 30
C) 5
D) 0

4. Solve: 14+2n-6+8n=4n-21+n+34

A) 2

B) 3

C) 1

D) 5.2

5.Solve: 5(z+4) - 8(4-z)=25 – 3(7- z) +144

A) 16

B) 6

C) 26

D) none of these

6.Solve: 3x/4 + x/6 = 22

A) 4

B) -14

C) 24

D) none of these

7.A tin of oil was 4/5 full. When 6 bottles of oil was taken out and 4 bottles of oil was poured into it, it was ¾ full.How many bottles of oil can the tin contain?

A) 20

B) 40

C) 25

D) 48

8.Solve: (9x-5)/7 = (6x+2)/5

A) 13

B) -6

C) 1/8

D) 2/7

9.Solve:$(1-3y)(4-y)\div(2-3y)(1-y)=1$

A) 1/4

B) 1/3

C) 1/2

D)0

10.Solve:$(y+2) \div (y+3) =(y-1) \div (y+2)$

A)1

B)-7/2

C)3/5

D)-4/3

11.A linear equation in one variable is called a ____ equation

A)simple

B) quadratic

C) cubic

D) none of these

12.Difference of two consecutive odd squares is 16.Find the numbers

A) 49,25

B) 6,8

C) 16,9

D) 5,3

13.Sum of two consecutive numbers is 43.Find the numbers

A) 21,22

B) 21,24

C) 21,23

D) 31,12

14.Solve:3(z +1) +4(z+0.3) = 20z + 0.95

A) 0.25

B) 0.35

C) -4.5

D) 5.4

15.Solve: (2x-1)÷(3x+1)=(6x-1)÷(9x-3)

A)2/9

B)9

C)-6

D)none of these

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