



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT :Algebra & GeometryWork sheet1 answer key

Marks:15Linear Equations

Date:7.11.2020

Answer all the following questions(1×15=15)

1.Solve : $x+2x=9$

A)3

B)4

C)5

D)-1

2.Solve : $3x - x = 8$

A) 4

B) 2

C) 10

D) -4

3.Solve: $9x+5=4x+30$

A) 6

B) 7

C) 5

D) -3

4.Solve $3(x+1)=15$

A) 2

B) 3

C) 4

D) 15

5.Solve : $x = 17 - 3(2x+1)$

A) 1

B) 5

C) 8

D) 2

6.If $7x - 2 = 21 + 10x$, then x is

A) a fraction

B) an integer

C) a rational number

D) none of these

7. Solve: $x/3 + 2x = 14$ (/ denotes ÷)

A) 6

B) 16

C) 15

D) 0

8.Solve : $x/2 + x/3 = 10$

A) 22

B) 12

C) 32

D) 6

9.If 14 is added to a number, the sum is 35.Find the number

A) 12

B) 43

C) 21

D) -24

10. One – third of a number is 2 more than one-fourth of a number. Find the number

A) 42

B) 54

C) 45

D) 24

11. Solve: $1.32y + 0.02y = 1.19 + y$

A) $7/2$

B) $2/7$

C) $-3/4$

D) 7

12. The sum of two numbers is 11, and one of them is 3 greater than the other. Find the numbers

A) 4 & 7

B) 7 & 2

C) 11 & 10

D) 15 & 10

13. Solve : $(x+0.5) \div (6x-1) = 1 \div 2$

A) $1/2$

B) $2/3$

C) $4/3$

D) 5

14. The sum of three consecutive even numbers is 90. Find the numbers

A) 30, 32, 34

B) 28,30,32

C)20, 22,24

D) 33,35,36

15.Find a number whose one-fifth part increased by 4 is equal to one-fourth part diminished by 10

A)200

B)240

C)280

D)320

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