



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 21.04.20

Duration: 40 min

Worksheet solutions 7

Full Marks: 15

SIMPLE EQUATIONS

Choose the Correct options:

1. The sum of three times x and 11 is 32. What is the equation of this statement?

- A. $x + 11 = 32$
- B. **$3x + 11 = 32$**
- C. $3x + 32 = 11$

2. Convert the following equation in statement form:

$$2n + 5 = 11$$

- A. **Add 5 to two times n to get 11.**
- B. Add n to two times 5 to get 11.
- C. Add 5 to n to get 11.

3. The solution of 8 times y equals 32 is _____

- A. 3
- B. **4**
- C. 5

4. The sum of two times a number and 8 is 10. Find the number?

- A. **1**
- B. 2
- C. 3

5. The value of the variable for which the equation is satisfied is called the _____ of the equation.

- A. **Solution**
- B. Expression
- C. Constant

6. Write the equation of the following statement: 2 subtracted from y is 6.

- A. $6 - y = 2$
- B. **$y - 2 = 6$**
- C. $2 - y = 6$

7. The value of p in the equation $p + 6 = 10$ is _____

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

8. Manu's father's age is 4 years more than three times Manu's age. Find Manu's age, if his father is 46 years old.

- A. 14
- B. 15
- C. 16

9. Set up an equation for the following: When I subtracted 9 from twice a number, the result was 11.

- A. $x - 9 = 11$
- B. $9 - 2x = 11$
- C. **$2x - 9 = 11$**

10. Write the equation for the following statement: Six times m plus 8 gets you 66.

- A. **$6m + 8 = 66$**
- B. $m + 8 = 66$
- C. $8m + 6 = 66$

11. The cost of 2 chairs and 3 tables is Rs.1300. The cost of 3 chairs and 2 tables is Rs.1200. The cost of each table is more than that of each chair by?

- A. Rs.50
- B. Rs.75
- C. **Rs.100**

12. The denominator of a fraction is 1 less than twice the numerator. If the numerator and denominator are both increased by 1, the fraction becomes $\frac{3}{5}$. Find the fraction?

- A. $\frac{3}{5}$
- B. $\frac{4}{7}$
- C. **$\frac{5}{9}$**

13. The cost of 10 kg of apples is equal to the cost of 24 kg of rice. The cost of 6 kg of flour equals the cost of 2 kg of rice. The cost of each kg of flour is Rs.20.50. Find the total cost of 4 kg of apples, 3 kg of rice and 5 kg of flour?

- A. Rs.849.40
- B. **Rs.877.40**
- C. Rs.815.20

14. The tens digit of a two-digit number is two more than its unit digit. The two-digit number is 7 times the sum of the digits. Find the units digits?

- A. 1
- B. 2**
- C. 3

15. The sum of the digits of a two-digit number is 12. The difference of the digits is 6. Find the number?

- A. 93**
- B. 75
- C. 48