# ST. LAWRENCE HIGH SCHOOL
### A JESUIT CHRISTIAN MINORITY INSTITUTION

**Sub: Algebra and Geometry**　　　**Class: 7**　　　**Date: 14.04.20**

**Duration: 40 min**　　　**Worksheet 1**　　　**Full Marks: 15**

### LINEAR EQUATION IN ONE VARIABLES/ PROBLEM SUMS

**Choose the Correct options:**

1. One third of a number is less than its half by 5. Find the number.

Ans　(a)25　　　　(b)30　　　　(c) 35　　　　(d)40

2. A man is thrice as old as his son. In fifteen years he will be twice as old as his son. Find the man's present age.

Ans　(a) 40 yr　　　(b) 35 yr　　　(c) 45 yr　　　(d) 30 yr

3. 5 added to four times a number gives 21. Find the number.

Ans　(a) 3　　　(b) 4　　　(c) 5　　　(d) 6

4. The denominator of a fraction is 5 more than the numerator. If the fraction is subtracted from its inverse the result is $1\frac{3}{28}$. Find the fraction.

Ans　(a) $\frac{7}{24}$　　　(b) $\frac{7}{12}$　　　(c) $\frac{5}{12}$　　　(d) $\frac{12}{7}$

5. Three fourth of a number is 48. Find the number.

Ans　(a)72　　　(b) 64　　　(c) 84　　　(d) 80

6. You get 5 points for every correct answer and -3 for every wrong answer. There are a total of 75 questions. If you get 199 how many answers have you got wrong?

Ans　(a)20　　　(b)21　　　(c)22　　　(d) 23

7. The perimeter of a square is 64 m. Find its side.

Ans　(a) 8 m　　　(b) 16 m　　　(c) 32 m　　　(d) 4 m

8. The sum of three consecutive even numbers is 60. Find the least of the numbers.

Ans　(a) 18　　　(b) 20　　　(c) 22　　　(d)24

9. The perimeter of a rectangle is 54 m. The length is twice the breadth. Find the length.

Ans　(a) 9 m　　　(b) 18 m　　　(c) 27 m　　　(d) 36 m

10. The ratio between two numbers is 7: 5. If the sum of the two numbers is 144 find the greater number.

Ans　(a) 72　　　(b) 84　　　(c) 96　　　(d) 108

11. The sum of three consecutive number is 63. Find the greatest number.

Ans　(a)19　　　(b) 20　　　(c) 21　　　(d) 22

12. The sum of two numbers is 15. One number is two third the other. Find the smaller number.

Ans　(a) 3　　　(b) 6　　　(c) 9　　　(d) 12

13. The difference of two numbers is 24. If one number is four times the other, find the smaller number.

Ans　(a)6　　　(b) 8　　　(c) 10　　　(d) 12

14. 17 when added to nine times a number gives 80. Find the number.

Ans　(a)7　　　(b) 8　　　(c) 9　　　(d) 10

15. A number increased by 10 is 16. Find the number.

Ans　(a)4　　　(b) 5　　　(c) 6　　　(d) 7

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