

Swami Samarth Coaching Classes

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Name: _____ **Date:** _____

Topic: Translating Statements into Equations

Instructions: Write the following statements in the form of equations. Use x as the variable for the unknown number in each problem.

1. Eight times a number x is 64.
2. Sum of 3 times a number x and 9 is 33.
3. If you subtract 5 from four times a number x , you get 15.
4. Sum of $\frac{1}{2}$ of a number x and 6 is 14.
5. Ten added to twice a number x gives 30.
6. Three-fourths of a number x is 21.
7. Subtracting 7 from one-third of a number x leaves 5.
8. The sum of a number x and 11 is 25.
9. Nine times a number x minus 4 is 50.

10. Sum of $\frac{2}{5}$ of a number x and 8 is 18.
11. If you add 12 to five times a number x , the result is 47.
12. Six subtracted from seven times a number x is 36.
13. One-fourth of a number x added to 3 gives 10.
14. Twelve times a number x is equal to 144.
15. The difference between 8 times a number x and 15 is 41.
16. Sum of $\frac{5}{6}$ of a number x and 10 is 40.
17. If you multiply a number x by 6 and add 14, you get 44.
18. Two less than three times a number x is 19.
19. One-fifth of a number x minus 2 gives 7.
20. The sum of 4 times a number x and 13 is 53.

Answer Key (For Teacher Reference)

1. $8x = 64$

2. $3x + 9 = 33$

3. $4x - 5 = 15$

4. $\frac{1}{2}x + 6 = 14$

5. $2x + 10 = 30$

6. $\frac{3}{4}x = 21$

7. $\frac{1}{3}x - 7 = 5$

8. $x + 11 = 25$

9. $9x - 4 = 50$

10. $\frac{2}{5}x + 8 = 18$

11. $5x + 12 = 47$

12. $7x - 6 = 36$

13. $\frac{1}{4}x + 3 = 10$

14. $12x = 144$

15. $8x - 15 = 41$

16. $\frac{5}{6}x + 10 = 40$

17. $6x + 14 = 44$

18. $3x - 2 = 19$

19. $\frac{1}{5}x - 2 = 7$

20. $4x + 13 = 53$