



Solving Linear Equations with One Variable

Grade 8 Linear Equations Worksheet

Date: _____

Name: _____

LET'S MAKE LEARNING LINEAR EQUATIONS FUN

Solve the following Linear Equations with one variable

1. $2x + 3 = 7$

9. $20 - x = 4$

2. $6x - 2 = 16$

10. $-3x = -12$

3. $13 - a = 8$

11. $7 - 2t = -3$

4. $2x - 4 = -6$

12. $15 + 3x = 90$

5. $-5 + b = -10$

13. $4x + 18 = 90$

6. $x + 3 = 10$

7. $5x + 7 = 22$

14. $100 - 5y = 75$

8. $k - 6 = 0$

15. $6x = 2x + 16$



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Answers

1. $2x = 7 - 3$

$$2x = 4$$

$$x = 2$$

2. $6x = 16 + 2$

$$6x = 18$$

$$x = 3$$

3. $13 - 8 = a$

$$a = 5$$

4. $2x = -6 + 4$

$$2x = -2$$

$$x = -1$$

5. $b = -10 + 5$

$$b = -5$$

6. $x = 10 - 3$

$$x = 7$$

7. $5x = 22 - 7$

$$5x = 15$$

$$x = 3$$

8. $k = 6$

9. $20 - 4 = x$

$$x = 16$$

10. $x = 4$

11. $2t = 10$

$$t = 5$$

12. $3x = 90 - 15$

$$3x = 75$$

$$x = 25$$

13. $4x = 90 - 18$

$$4x = 72$$

$$x = 18$$

14. $5y = 100 - 75$

$$5y = 25$$

$$y = 5$$

15. $6x - 2x = 16$

$$4x = 16$$

$$x = 4$$