

Solving Two-Step Equations

Multiplication & Division - No Negative Coefficients

Name: _____ Date: _____



Solve the equations.

(1) $4 + \frac{x}{3} = 22$

(2) $-14 + 4x = 14$

(3) $6x - 23 = 43$

(4) $\frac{x}{9} - 3 = 3$

(5) $-3 + \frac{x}{3} = 7$

(6) $38 + 11x = 137$

(7) $105 + 8x = 241$

(8) $50 + 5x = 135$

(9) $48 + 5x = 108$

(10) $\frac{x}{7} - 3 = 1$

(11) $-5 + \frac{x}{2} = 11$

(12) $\frac{x}{5} + 7 = 19$

(13) $\frac{x}{3} - 4 = 4$

(14) $1 + \frac{x}{16} = 5$

(15) $\frac{x}{6} + 7 = 16$

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ANSWER KEY



Solve the equations.

$$(1) \quad 4 + \frac{x}{3} = 22$$
$$\frac{x}{3} = 18$$
$$x = 54$$

$$(2) \quad -14 + 4x = 14$$
$$4x = 28$$
$$x = 7$$

$$(3) \quad 6x - 23 = 43$$
$$6x = 66$$
$$x = 11$$

$$(4) \quad \frac{x}{9} - 3 = 3$$
$$\frac{x}{9} = 6$$
$$x = 54$$

$$(5) \quad -3 + \frac{x}{3} = 7$$
$$\frac{x}{3} = 10$$
$$x = 30$$

$$(6) \quad 38 + 11x = 137$$
$$11x = 99$$
$$x = 9$$

$$(7) \quad 105 + 8x = 241$$
$$8x = 136$$
$$x = 17$$

$$(8) \quad 50 + 5x = 135$$
$$5x = 85$$
$$x = 17$$

$$(9) \quad 48 + 5x = 108$$
$$5x = 60$$
$$x = 12$$

$$(10) \quad \frac{x}{7} - 3 = 1$$
$$\frac{x}{7} = 4$$
$$x = 28$$

$$(11) \quad -5 + \frac{x}{2} = 11$$
$$\frac{x}{2} = 16$$
$$x = 32$$

$$(12) \quad \frac{x}{5} + 7 = 19$$
$$\frac{x}{5} = 12$$
$$x = 60$$

$$(13) \quad \frac{x}{3} - 4 = 4$$
$$\frac{x}{3} = 8$$
$$x = 24$$

$$(14) \quad 1 + \frac{x}{16} = 5$$
$$\frac{x}{16} = 4$$
$$x = 64$$

$$(15) \quad \frac{x}{6} + 7 = 16$$
$$\frac{x}{6} = 9$$
$$x = 54$$