

Solving Two-Step Equations

Multiplication & Division - No Negative Coefficients

Name: _____ Date: _____



Solve the equations.

(1) $-50 + 7x = 34$

(2) $1 + \frac{x}{8} = 7$

(3) $\frac{x}{4} - 4 = 5$

(4) $3 + \frac{x}{9} = 8$

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

(6) $10x - 72 = 48$

(7) $3x + 11 = 47$

(8) $\frac{x}{11} + 3 = 7$

(9) $4x - 22 = 6$

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

(11) $12x - 54 = 42$

(12) $50 + 5x = 115$

(13) $-121 + 10x = 49$

(14) $2x + 11 = 27$

(15) $\frac{x}{3} - 5 = 6$

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ANSWER KEY



Solve the equations.

(1) $-50 + 7x = 34$

$7x = 84$

$x = 12$

(2) $1 + \frac{x}{8} = 7$

$\frac{x}{8} = 6$

$x = 48$

(3) $\frac{x}{4} - 4 = 5$

$\frac{x}{4} = 9$

$x = 36$

(4) $3 + \frac{x}{9} = 8$

$\frac{x}{9} = 5$

$x = 45$

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

$\frac{x}{14} = 3$

$x = 42$

(6) $10x - 72 = 48$

$10x = 120$

$x = 12$

(7) $3x + 11 = 47$

$3x = 36$

$x = 12$

(8) $\frac{x}{11} + 3 = 7$

$\frac{x}{11} = 4$

$x = 44$

(9) $4x - 22 = 6$

$4x = 28$

$x = 7$

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

$\frac{x}{5} = 12$

$x = 60$

(11) $12x - 54 = 42$

$12x = 96$

$x = 8$

(12) $50 + 5x = 115$

$5x = 65$

$x = 13$

(13) $-121 + 10x = 49$

$10x = 170$

$x = 17$

(14) $2x + 11 = 27$

$2x = 16$

$x = 8$

(15) $\frac{x}{3} - 5 = 6$

$\frac{x}{3} = 11$

$x = 33$