

Grade 7

Topic: Solving Two-Step Equations

Instructions

Solve each equation. Show all steps clearly.

Practice Problems

- 1. Solve the following two-step equations.
 - (i) 2x + 3 = 11(iv) $\frac{x}{4} 1 = 3$ (ii) 5x 4 = 16(v) 7x + 5 = 26
 - (iii) $\frac{x}{3} + 2 = 6$ (vi) $\frac{x}{2} 3 = 5$
- 2. Solve for the variable.

(i) $3m - 7 = 8$	(iii) $4y + 6 = 18$
(ii) $\frac{p}{5} + 1 = 5$	(iv) $\frac{t}{6} - 2 = 4$

3. Word Problems.

- (i) Twice a number plus 5 equals 13. Find the number.
- (ii) Three times a number minus 4 equals 11. Find the number.
- (iii) A number divided by 2, plus 3 equals 7. Find the number.
- (iv) A number divided by 4, minus 2 equals 1. Find the number.

Multiple-Choice Questions

1. Solve: 3x + 2 = 11A. 3 B. 5 C. 4 D. 2 2. Solve: $\frac{x}{2} + 5 = 9$ A. 2 B. 8 C. 6 D. 4 3. Which equation has solution x = 4? A. 2x + 3 = 11B. x - 2 = 4C. 3x = 12D. $\frac{x}{2} + 1 = 3$ 4. Solve: 5x - 7 = 18A. 4 B. 5 C. 3

D. 2

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