

Two-Step Equations - MCQ

Sheet 1

Read and interpret each word problem and choose the two-step equation that best represents the situation.

- 1) Janice had x color pencils in her box and shares them equally with her friend, Talia. Her brother gives her 2 more color pencils. Janice now has 3 pencils in her box.

a) $\frac{x}{2} + 3 = 2$

b) $2x - 2 = 3$

c) $\frac{x}{2} - 2 = 3$

d) $\frac{x}{2} + 2 = 3$

- 2) A meteorologist measured the amount of rainfall in City A and City B. City A received 11 inches of rainfall and City B received 3 times as much as City A. The amount of rainfall in City B was _____ inches. B. Both cities received _____ inches of rainfall. City B experienced three times as much rainfall as City A.

a) $x + 3x = 11$

c) $3x - x = 11$

- 3) Timothy spent a total of \$68 on 2 jeans at \$32 each and x t-shirts at \$x each.

a) $2x - 32 = 68$

c) $2x + 32 = -68$

- 4) A customer at a Meow Meow Pet Store bought 3 bags of dog food. Each bag was priced at \$x each. He also ordered a pair of dog shoes for \$12.96. The total cost was \$32.46.

a) $3x + 12.96 = 32.46$

c) $2x + 12.96 = 32.46$

d) $3x - 12.96 = 32.46$

- 5) Mr. Hewitt estimates the cost towards a fresh paint job for the exteriors of his home. He makes a provision for 12 gallons of paint priced at \$x per gallon. The cost of paint supplies and miscellaneous expenses are \$2264. The total estimated cost for the paint job is \$2624..

a) $12x - 2264 = 2624$

b) $12x + 2624 = 2264$

c) $12x + 2264 = 2624$

d) $12x + 2624 = -2264$

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