

Two-Step Equations - MCQ

Sheet 2

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

- 1) Scott picked x pounds of blueberries from a local farm. He gave 3 pounds of his pick to his brother, Dean. He shared the remaining blueberries equally with his sister, Georgia. He now has 5 pounds of blueberries.

a) $3 - x = 5$

b) $\frac{x+3}{2} = 5$

c) $\frac{x-3}{2} = 5$

d) $\frac{x-2}{3} = 5$

- 2) Mike owns a website that costs \$807.43 per month. He charges his customers \$ x as subscription fee. A customer cancelled his subscription and Mike has a subscription fee worth \$659.86.

a) $659.86 - x = 807.43$

c) $807.43x + 14 = 659.86$

- 3) Polly is planning a party for 40 weeks straight. She saves \$ x every week and has \$8.00 left over.

a) $25x + 40 = 8$

c) $40x - 25 = 8$

- 4) Susan buys 2 orange marigolds and 5 yellow marigolds. She plants them in 2 rows. Each row has 5 marigolds.

a) $\frac{2+x}{2} = 5$

c) $2 - x = 2$

d) $2 - x = 5$

- 5) Sean is employed as a truck driver. He drives x hours in a week and is paid \$21.6 per hour. He earns a total of \$1114 in a week which includes a food allowance of \$250.

a) $21.6x - 250 = 1114$

b) $250x + 21.6 = 1114$

c) $21.6x + 250 = 1114$

d) $21.6x + 1114 = 250$

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