

One-Step Equations - Fractions & Decimals

Mul/Div: S3

- 1) Angelina melted a solid metal sphere and recast it into 24 identical smaller spheres. If the solid metal sphere originally weighed 246.24 pounds, how much did each small sphere weigh?

- 2) Over the weekends, Kenny and John mow lawns in the neighborhood. If the time taken to mow 13 lawns is 13 hours, how long does it take to mow each lawn?

- 3) John drinks one fluid ounce of juice every day. How many fluid ounces of juice does he drink in 8.45 days?

- 4) Jane wants to decorate a ball of string measuring 38.4 feet long with balloons. If she uses 38.4 feet of string for each balloon, how many balloons can she make?

- 5) Yvonne buys a pack of multicolored glass beads to make a necklace for her daughter. She uses 27 beads for the necklace, which is three-seventh of the pack. How many glass beads did the pack contain?

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Answer key**One-Step Equations - Fractions & Decimals**

Mul/Div: S3

- 1) Angelina melted a solid metal sphere and recast it into 24 identical smaller spheres. If the solid metal sphere originally weighed 246.24 pounds, how much did each small sphere weigh?

$$\underline{24x = 246.24 ; 10.26 \text{ pounds}}$$

- 2) Over the weekend, Kenny and John mow lawns in the neighborhood. If the time taken to mow 13 lawns is 172.5 minutes, how long did it take to mow each lawn?

$$\underline{13x = 172.5 ; 13.27 \text{ minutes}}$$

- 3) John drinks one fluid ounce of juice every 4 minutes. How many fluid ounces of juice does he drink in 33.6 minutes?

$$\underline{\frac{1}{4}x = 8.4 ; 33.6 \text{ minutes}}$$

- 4) Jane wants to decorate a ball of string with 38.4 inches of string. If she uses 16 pieces of string, how long is each piece?

$$\underline{16x = 38.4 ; 2.4 \text{ inches}}$$

- 5) Yvonne buys a pack of multicolored glass beads to make a necklace for her daughter. She uses 27 beads for the necklace, which is three-seventh of the pack. How many glass beads did the pack contain?

$$\underline{\frac{3}{7}x = 27 ; 63 \text{ glass beads}}$$

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