

One-Step Equations - Fractions & Decimals

Add/Sub: S1

- 1) Selena is baking chocolate chip cookies. The recipe calls for $2\frac{1}{3}$ cups of semi-sweet chocolate chips. If she has already put in $1\frac{1}{2}$ cups into the batter, how many more cups of chocolate chips should be added to the batter?

- 2) Rose has two baskets; one contains apples and the other contains bananas. Together, the baskets weigh 5.55 pounds. Find the weight of the basket of bananas, if the apple basket weighs 2.34 pounds.

- 3) A metal manufacturing company reduces the length of a 12.5-inch cylindrical rod, after which the rod measures 7.8 inches. How many inches was the rod shortened by?

- 4) Alice has x dollars in her account. She spends \$35.31 to buy medicines for her grandmother. If the balance in her account is \$161.23, what was the amount in her account before purchase?

- 5) Clara watches a horror movie in a theater. The movie has a running time of $1\frac{2}{3}$ hours. She leaves midway, and misses $\frac{5}{6}$ hours of the movie. How long did Clara watch the movie ?

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

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- 1) Selena is baking chocolate chip cookies. The recipe calls for $2\frac{1}{3}$ cups of semi-sweet chocolate chips. If she has already put in $1\frac{1}{2}$ cups into the batter, how many more cups of chocolate chips should be added to the batter?

$$\underline{x + 1\frac{1}{2} = 2\frac{1}{3} ; \frac{5}{6} \text{ cups}}$$

- 2) Rose has two baskets; one contains apples and the other contains bananas. Together, the baskets weigh 5.55 pounds. Find the weight of the basket of bananas, if the apple basket weighs 2.34 pounds.

$$\underline{x + 2.34 = 5.55 ; 3.21 \text{ pounds}}$$

- 3) A metal manufacturing company reduces the length of a 12.5-inch cylindrical rod, after which the rod measures 7.8 inches. How many inches was the rod shortened by?

$$\underline{x + 7.8 = 12.5 ; 4.7 \text{ inches}}$$

- 4) Alice has x dollars in her account. She spends \$35.31 to buy medicines for her grandmother. If the balance in her account is \$161.23, what was the amount in her account before purchase?

$$\underline{x - 35.31 = 161.23 ; \$196.54}$$

- 5) Clara watches a horror movie in a theater. The movie has a running time of $1\frac{2}{3}$ hours. She leaves midway, and misses $\frac{5}{6}$ hours of the movie. How long did Clara watch the movie ?

$$\underline{x + \frac{5}{6} = 1\frac{2}{3} ; \frac{5}{6} \text{ hours}}$$