

One-Step Equations - Fractions & Decimals

Add/Sub: S2

- 1) Judy needs $2\frac{3}{8}$ yards of flannel to sew a skirt. She obtains $\frac{3}{8}$ yards of flannel from the local market. How much more fabric does she need to stitch the skirt?

- 2) A barn had $13\frac{1}{2}$ crates of two different veggies. If $6\frac{1}{2}$ crates had tomatoes, how many crates of zucchini were there?

- 3) Ross sets up a tent that is 51.4 inches high. After a storm, the height of the tent is now 48.9 inches. How much did the height decrease by Ross?

- 4) Kathy purchases a pencil for \$0.45 and a concealer for \$6.94. If she is billed \$7.39, how much more did she pay for the pencil than the concealer?

- 5) A zoo with a total area of 982.31 acres is home to a variety of animals. If 964.36 acres have been reserved for animals, determine the area cleared for horticulture.

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

Add/Sub: S2

- 1) Judy needs $2\frac{3}{8}$ yards of flannel to sew a skirt. She obtains $\frac{3}{8}$ yards of flannel from the local market. How much more fabric does she need to stitch the skirt?

$$x + \frac{3}{8} = 2\frac{3}{8} ; 2 \text{ yards}$$

- 2) A barn had $13\frac{1}{2}$ crates of two different veggies. If $6\frac{1}{2}$ crates had tomatoes, how many crates of zucchini were there?

$$6\frac{1}{2} + x = 13\frac{1}{2}$$

- 3) Ross sets up a tent that is 6 feet high. After the wind blows, the height of the tent decreases by 1.4 feet. How high is the tent now?

$$x - 1.4 = 6$$

- 4) Kathy purchases a pencil for \$6.94. If she is buying a concealer for \$7.19, how much more money does she need to buy the pencil?

$$x + 6.94 = 14.13 ; \$7.19$$

- 5) A zoo with a total area of 982.31 acres is home to a variety of animals. If 964.36 acres have been reserved for animals, determine the area cleared for horticulture.

$$x + 964.36 = 982.31 ; 17.95 \text{ acres}$$

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