

## Two-Step Equations - Fractions and Decimals

Sheet 3

- 1) Ben puts up a pretzel cart outside Newport mall. 22 cinnamon pretzels and few salted pretzels were up for sale in the morning. One half of the total pretzels were sold out and 19 pretzels remained. How many salted pretzels did Ben bake that morning?

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- 2) Mrs. Hayden buys a few yards of fleece fabric. She uses 4.56 yards to make fleece hats which amount to 1/3 of the total fabric. How many yards of fabric did she buy initially?

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- 3) Alec spilled 8.56 fluid ounces of juice from a pitcher. He transferred the remaining juice into 4 bottles. If each bottle originally contained 19.68 fluid ounces, how many bottles were there?

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- 4) Ben plans to buy a rectangular lawn. The area measures 48 square yards. The width is 4.8 yards high. Its length is how many yards? What is the perimeter of the lawn measure?

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- 5) Kenny takes a cab to the airport. He is charged \$2.56 per mile. Kenny pays the driver a total of \$59.72 for the trip which includes a tip of \$9.8. How many miles did Kenny travel to reach the airport?

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**Answer key****Two-Step Equations - Fractions and Decimals**

Sheet 3

- 1) Ben puts up a pretzel cart outside Newport mall. 22 cinnamon pretzels and few salted pretzels were up for sale in the morning. One half of the total pretzels were sold out and 19 pretzels remained. How many salted pretzels did Ben bake that morning?

$$\frac{1}{2}(22 + x) = 19 ; 16 \text{ salted pretzels}$$


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- 2) Mrs. Hayden buys a few yards of fleece fabric. She uses 4.56 yards to make fleece hats which amount to  $\frac{1}{3}$  of the total. How many yards of fabric did she buy initially?

$$\frac{1}{3}(x - 4.56) = 4.56$$


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- 3) Alec spilled 8.56 fluid ounces of water from a pitcher. He transferred the remaining water into 3 smaller bottles. If each bottle originally contained 19.68 fluid ounces, how many bottles did he use?

$$\frac{x - 8.56}{3} = 19.68$$


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- 4) Ben plans to buy a rectangular lawn. The area measures 40.2 square yards. The width is 4.8 yards high. Its length is how many yards? What is the perimeter of the lawn measure?

$$\frac{1}{2}x \times 4.8 = 40.2 ; 16.75 \text{ yards}$$


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- 5) Kenny takes a cab to the airport. He is charged \$2.56 per mile. Kenny pays the driver a total of \$59.72 for the trip which includes a tip of \$9.8. How many miles did Kenny travel to reach the airport?

$$2.56x + 9.8 = 59.72 ; 19.5 \text{ miles}$$


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