

2-Step Word Problems (4 Operations)

Name _____

Date _____

Use the RDW process to solve. Use a letter to represent the unknown in each problem.

1. Leanne needs 120 tiles for an art project. She has 56 tiles. If tiles are sold in boxes of 8, how many more boxes of tiles does Leanne need to buy?
2. Gwen pours 236 milliliters of water into Ravi's beaker. Henry pours 189 milliliters of water into Ravi's beaker. Ravi's beaker now contains 800 milliliters of water. How much water was in Ravi's beaker to begin with?
3. Maude hung 3 pictures on her wall. Each picture measures 8 inches by 10 inches. What is the total area of the wall covered by the pictures?

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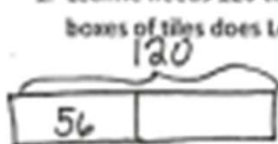
4. Kami scored a total of 21 points during her basketball game. She made 6 two-point shots and the rest were three-point shots. How many three-point shots did Kami make?
5. An orange weighs 198 grams. A kiwi weighs 85 grams less than the orange. What is the total weight of the fruit?
6. The total amount of rain that fell in New York City in two years was 282 centimeters. In the first year, 185 centimeters of rain fell. How many more centimeters of rain fell in the first year than in the second year?

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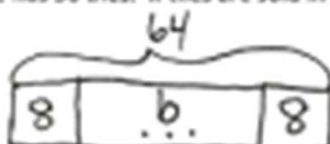
2-Step Word Problems (4 Operations)

Use the RDW process to solve. Use a letter to represent the unknown in each problem.

1. Leanne needs 120 tiles for an art project. She has 56 tiles. If tiles are sold in boxes of 8, how many more boxes of tiles does Leanne need to buy?



$$\begin{array}{r} 120 \\ 56 \\ - 56 \\ \hline 64 \end{array}$$




$$b = 64 \div 8$$

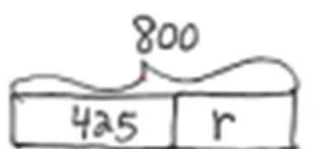
$$b = 8$$

Leanne needs to buy 8 more boxes of tiles.

2. Gwen pours 236 milliliters of water into Ravi's beaker. Henry pours 189 milliliters of water into Ravi's beaker. Ravi's beaker now contains 800 milliliters of water. How much water was in Ravi's beaker to begin with?



$$\begin{array}{r} 236 + 189 \\ 225 \uparrow 200 \\ \hline 225 + 200 = 425 \end{array}$$



$$r = 800 - 425$$

$$r = 375$$

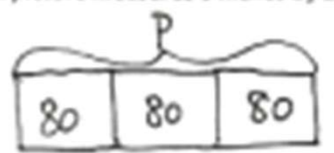
Ravi's beaker had 375 ml of water to begin with.

3. Maude hung 3 pictures on her wall. Each picture measures 8 inches by 10 inches. What is the total area of the wall covered by the pictures?



$$\text{Area} = 8 \text{ in} \times 10 \text{ in}$$

$$\text{Area} = 80 \text{ sq in}$$



$$p = 3 \times 80$$

$$p = 3 \times 8 \text{ tens}$$

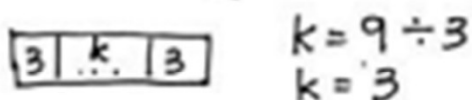
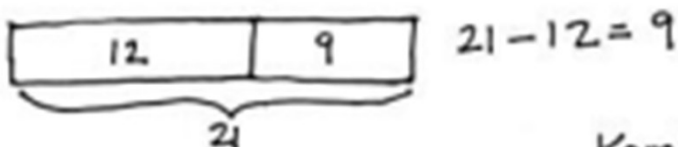
$$p = 24 \text{ tens}$$

$$p = 240$$

The total area of the wall covered by the pictures is 240 square inches.

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4. Kami scored a total of 21 points during her basketball game. She made 6 two-point shots and the rest were three-point shots. How many three-point shots did Kami make?



Kami made 3 three-point shots.

5. An orange weighs 198 grams. A kiwi weighs 85 grams less than the orange. What is the total weight of the fruit?



$$198 - 85 = 113$$



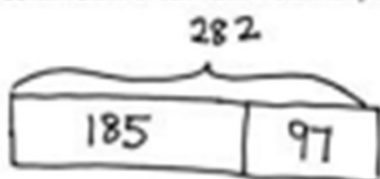
$$W = 198 + 113$$

$$W = 200 + 113$$

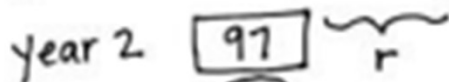
$$W = 313$$

The total weight of the fruit is 313 grams.

6. The total amount of rain that fell in New York City in two years was 282 centimeters. In the first year, 185 centimeters of rain fell. How many more centimeters of rain fell in the first year than in the second year?



$$\begin{array}{r} 11712 \\ 282 \\ -185 \\ \hline 97 \end{array}$$



$$r = 185 - 97$$

$$r = 88$$

88 more centimeters of rain fell in the first year than in the second year.