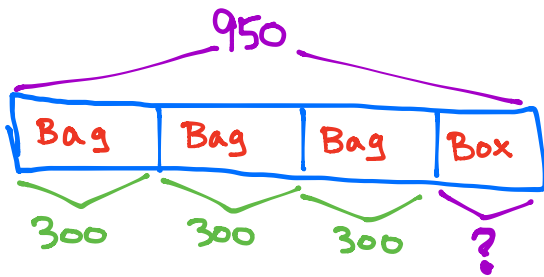Name _____   Date _____

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

1. A box containing 3 small bags of flour weighs 950 grams. Each bag of flour weighs 300 grams. How much does the empty box weigh?
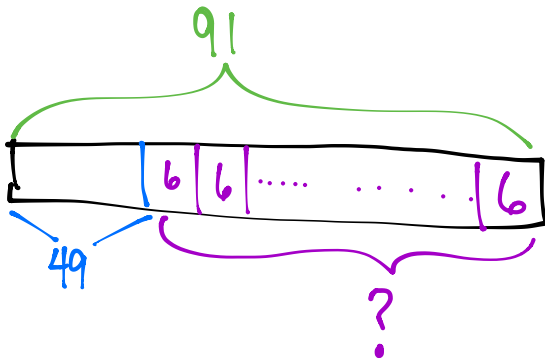

$3 \times 300 = 900$
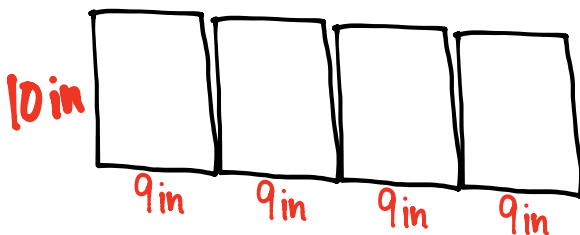
$$950 - 900 = 50$$

The box weighs 50 grams.

2. Mr. Cullen needs 91 carpet squares. He has 49 carpet squares. If the squares are sold in boxes of 6, how many more boxes of carpet squares does Mr. Cullen need to buy?

$$91 - 49 = 42$$

$42 \div 6 = 7$

He will need to buy 7 more boxes.

3. Erica makes a banner using 4 sheets of paper. Each paper measures 9 inches by 10 inches. What is the total area of Erica's banner?


1 sheet: $9 \times 10 = 90 \text{ in}^2$

4 sheets: $4 \times 90 = 360 \text{ in}^2$

The total area is 360 in².

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4. Monica scored 32 points for her team at the Science Bowl. She got 5 four-point questions correct, and the rest of her points came from answering three-point questions. How many three-point questions did she get correct?
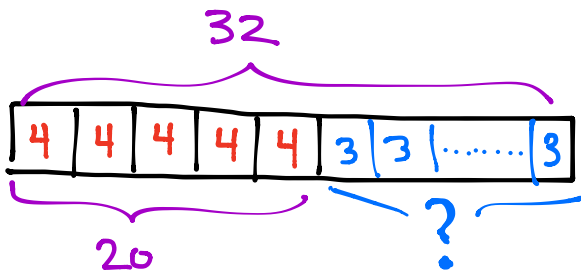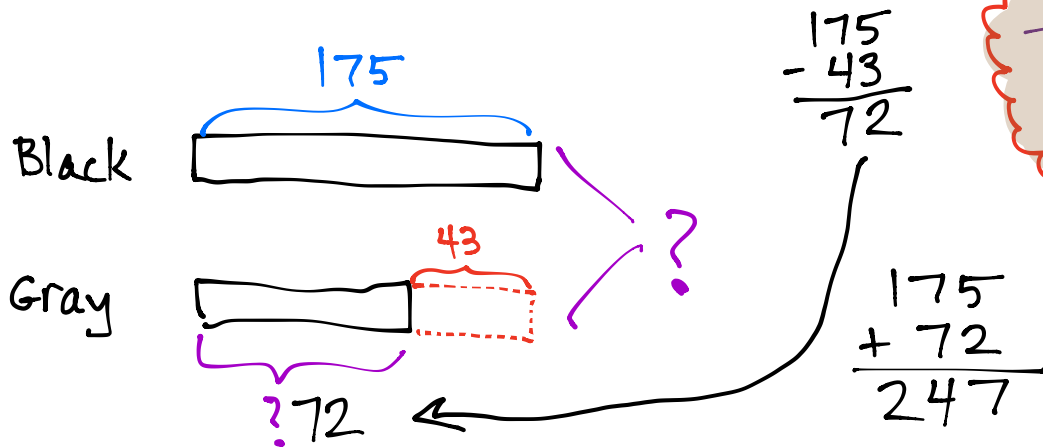
$$\begin{array}{r} 32 \\ -20 \\ \hline 12 \end{array}$$

Monica got 4 three-point questions correct.

$$\begin{array}{r} 4 \\ 3\overline{)12} \\ -12 \\ \hline 0 \end{array}$$

5. Kim's black kitten weighs 175 grams. Her gray kitten weighs 43 grams less than the black kitten. What is the total weight of the two kittens?

Black   175

Gray   43   ?   ?72

$$\begin{array}{r} 175 \\ -43 \\ \hline 72 \end{array}$$

The total weight is 247 grams.

$$\begin{array}{r} 175 \\ +72 \\ \hline 247 \end{array}$$

6. Cassias and Javier's combined height is 267 centimeters. Cassias is 128 centimeters tall. How much taller is Javier than Cassias?

Cassias   128   ?

Javier   267

?   139

$$\begin{array}{r} 5\;4 \\ 2\;\cancel{6}\;7 \\ -1\;2\;8 \\ \hline 1\;3\;9 \end{array}$$
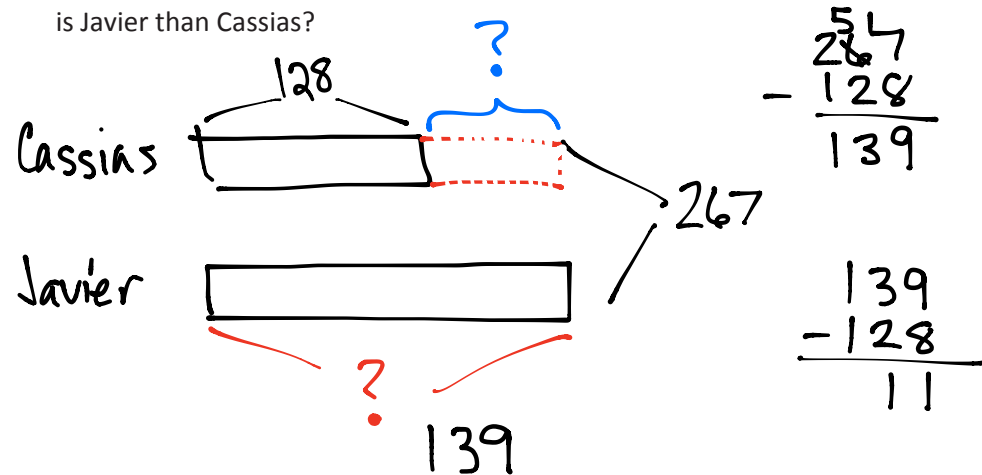
Javier is 11cm taller than Cassias.

$$\begin{array}{r} 139 \\ -128 \\ \hline 11 \end{array}$$

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