

2-Step Word Problems (4 Operations)

1. Pearl buys 125 stickers. She gives 53 stickers to her little sister. Pearl then puts 9 stickers on each page of her album. If she used all of her remaining stickers, how many pages did Pearl put stickers on?

2. Tanner's beaker had 45 milliliters of water in it at first. After each of his friends poured in 8 milliliters, the beaker contained 93 milliliters. How many friends poured water into Tanner's beaker?

3. Cora weighs 4 new, identical pencils and a ruler. The total weight of these items is 55 grams. She weighs the ruler by itself and it weighs 19 grams. How much does each pencil weigh?

2-Step Word Problems (4 Operations)

1. Pearl buys 125 stickers. She gives 53 stickers to her little sister. Pearl then puts 9 stickers on each page of her album. If she used all of her remaining stickers, how many pages did Pearl put stickers on?



S = number of stickers Pearl has left.

$$125 - 53 = S$$

$$S = 72 \text{ stickers}$$

P = number of pages Pearl puts stickers on.

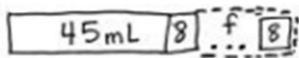
$$72 \div 9 = P$$

$$P = 8$$

Pearl puts stickers on 8 pages.

My answer is reasonable because $9 \times 8 = 72$ and $72 + 53 \approx 72 + 50 = 122$ and that is close to 125.

2. Tanner's beaker had 45 milliliters of water in it at first. After each of his friends poured in 8 milliliters, the beaker contained 93 milliliters. How many friends poured water into Tanner's beaker?



f = number of friends

$$93 - 45 = f$$

$$f = 48 \text{ mL}$$

f = number of friends

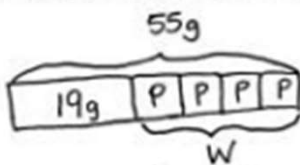
$$48 \div 8 = f$$

$$f = 6 \text{ friends}$$

6 friends poured water into Tanner's beaker.

My answer is reasonable because I know $8 \times 6 = 48$ and $48 + 45 \approx 50 + 45 = 95$ and that is close to 93.

3. Cora weighs 4 new, identical pencils and a ruler. The total weight of these items is 55 grams. She weighs the ruler by itself and it weighs 19 grams. How much does each pencil weigh?



W = number of grams 4 pencils weigh.

$$55 - 19 = W$$

$$W = 36 \text{ g}$$

P = number of grams each pencil weighs

$$36 \div 4 = P$$

$$P = 9 \text{ g}$$

Each pencil weighs 9 grams.

$4 \times 9 = 36$ and $36 + 19 = 35 + 20 = 55$
My answer is reasonable because I checked my work with multiplication and addition and got 55.

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