Length Mass Volume 1-Step Word Problems

FREE Worksheet - 4

Time: 20 minutes

(Detailed solutions at the end)

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1. Shane had 274 ml of watermelon juice.

   He had 129 ml less watermelon juice than Deborah.

   How much watermelon juice had Deborah?

   Answer: _____ ml

2. Mrs. Jackson has 3075 g of cheese.

   She buys another 1 kg 520 g of cheese.

   How much cheese does she have altogether in kilograms and grams?

   Answer: _____ kg _____ g

3. Mr. Cheng had 4 tanks each containing 51 l of fruit juice.

   What is the total volume of fruit juice he had?

   Answer: _____ l

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4. Ellie had 1170 ml of tea tree oil.

    She completely filled 9 vials with all the tea tree oil.

    What was the capacity of each vial?

    Answer: _____ ml

5. Sasha has a kitestring 114 cm long.
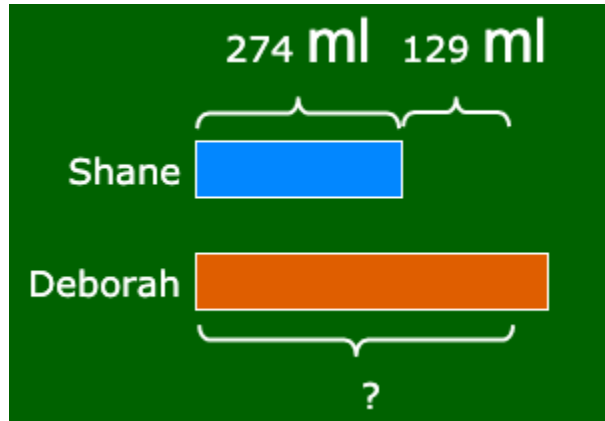
    She has another kitestring 166 cm long.

    What is the total length of the two kitestrings in metres and centimetres?

    Answer: _____ m _____ cm

SOLUTIONS
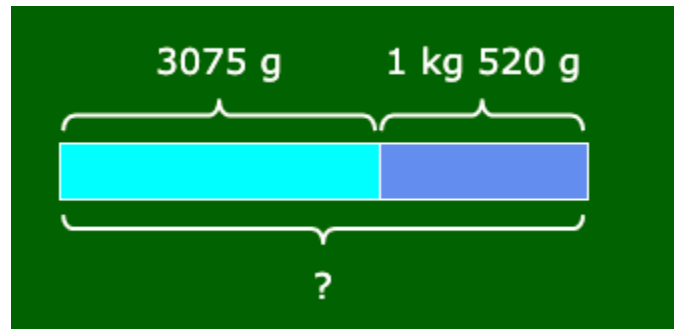
Problem 1

274 ml + 129 ml = 403 ml

Deborah had ***403 ml*** of watermelon juice.

Problem 2

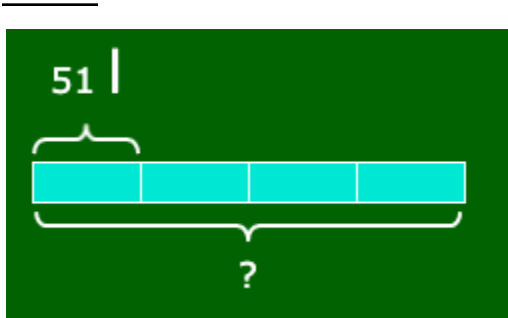*1 kg 520 g   = 1 kg + 520 g*
= 1000 g + 520 g
= 1520 g

3075 g + 1 kg 520 g	=	3075 g + 1520 g
	=	4595 g
	=	4000 g + 595 g
	=	4 kg + 595 g
	=	4 kg 595 g

She has **4 kg 595 g** of cheese altogether.

Problem 3

51 l × 4 = 204 l

He had a total of **204 l** of fruit juice.

Problem 4
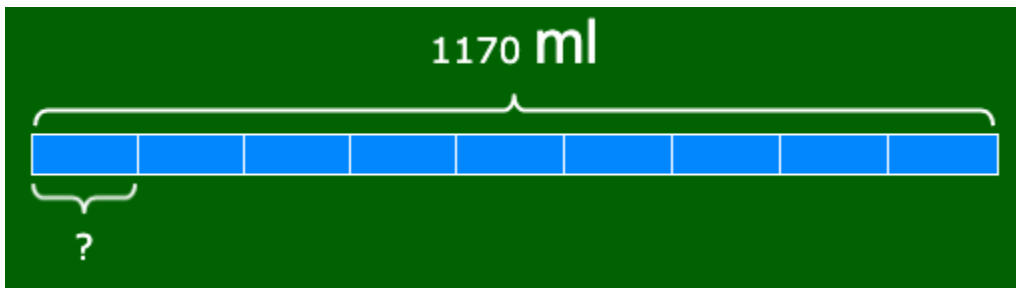
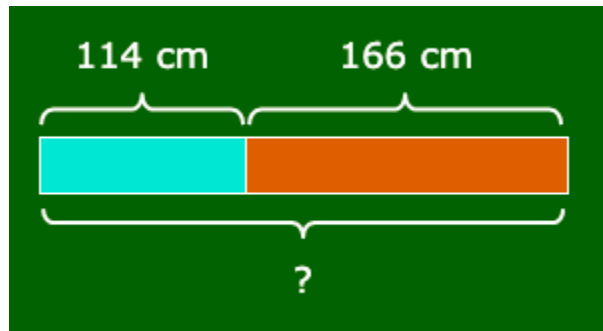1170 ml ÷ 9 = 130 ml

The capacity of each vial was **130 ml** .

Problem 5

We know,

100 cm = 1 m

So,

200 cm = 2 m

114 cm + 166 cm	=	280 cm
	=	200 cm + 80 cm
	=	2 m + 80 cm
	=	2 m 80 cm

The total length of the two kitestrings is **2 m 80 cm**.