



## Length Mass Volume 2-Steps Word Problems

**FREE Worksheet - 4**

**Time: 20 minutes**

(Detailed solutions at the end)

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1. Collin has a cord 188 cm long.

Bilal has a cord that is 156 cm longer than Collin's cord.

What is the total length of the two cords?

Give your answer in metres and centimetres.

Answer: \_\_\_\_\_ m \_\_\_\_\_ cm

2. Brooke bought 505 g of play dough.

She made 7 identical pen holders with it and had 120 g of play dough left.

How many grams of play dough did she use for a pen holder?

Answer: \_\_\_\_\_ g

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3. A wholesaler had 223 m of lace.

She gave 20 m of the lace to a friend and cut  
the remaining lace equally into 7 m long pieces.

How many pieces did she get?

Answer: \_\_\_\_\_ pieces of lace

4. A log is 35 kg heavier than a cinder block.

The total mass of the log and a rock is 276 kg.

The rock is 5 times as heavy as the log.

Find the mass of the cinder block.

Answer: \_\_\_\_\_ kg



5. Cynthia bought a watermelon and 5 bottles of chocolate sauce.

The mass of the watermelon is 4 kg 70 g.

The 5 bottles of chocolate sauce are 3195 g lighter than the watermelon.

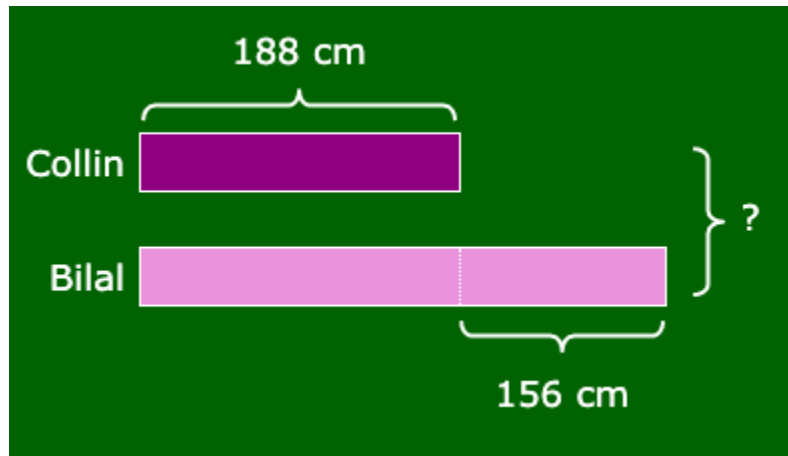
What is the mass of each bottle of chocolate sauce?

Answer: \_\_\_\_\_ g



## SOLUTIONS

### Problem 1



$$188 \text{ cm} + 156 \text{ cm} = 344 \text{ cm}$$

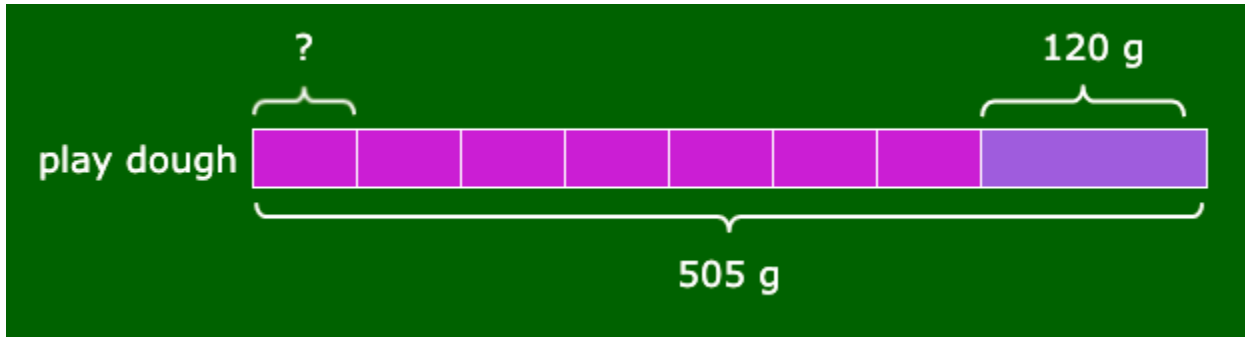
The length of Collin's cord is 344 cm.

$$\begin{aligned} 188 \text{ cm} + 344 \text{ cm} &= 532 \text{ cm} \\ &= 5 \text{ m } 32 \text{ cm} \end{aligned}$$

The total length of the two cords is **5 m 32 cm**.



**Problem 2**



$$505 \text{ g} - 120 \text{ g} = 385 \text{ g}$$

She used a total of 385 g of play dough for the 7 pen holders.

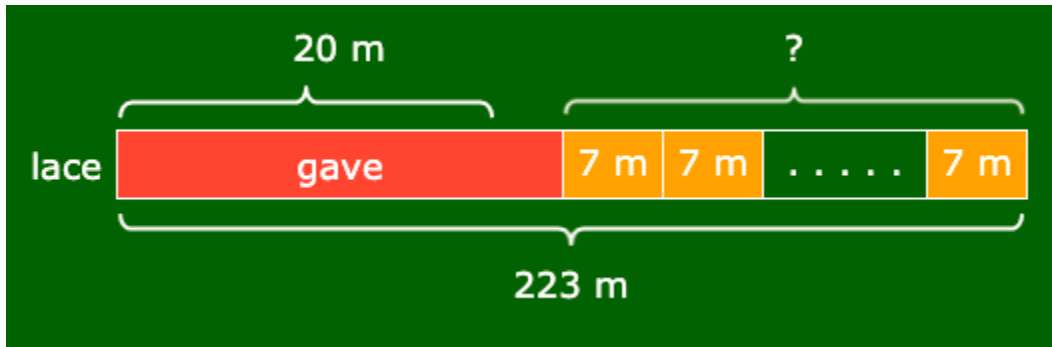
$$385 \text{ g} \div 7 = 55 \text{ g}$$

She used **55 g** of play dough for a pen holder.



**Problem 3**

\_\_\_\_\_  
\_\_\_\_\_



\_\_\_\_\_

$$223 \text{ m} - 20 \text{ m} = 203 \text{ m}$$

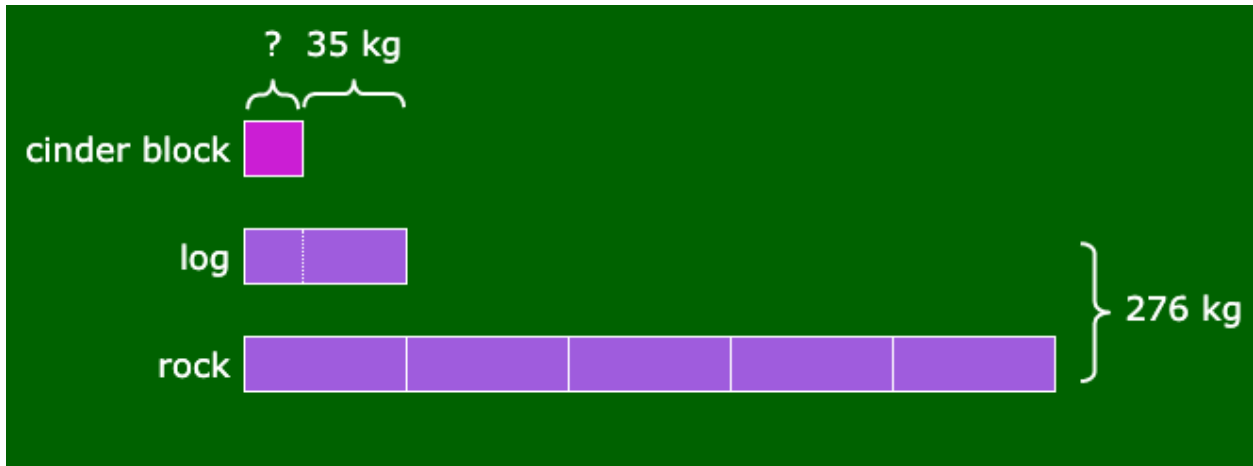
She had 203 m of lace left.

$$203 \text{ m} \div 7 \text{ m} = 29$$

She got **29 pieces**.



**Problem 4**



$$\begin{aligned} 6 \text{ units} &\rightarrow 276 \text{ kg} \\ 1 \text{ unit} &\rightarrow 276 \text{ kg} \div 6 \\ &= 46 \text{ kg} \end{aligned}$$

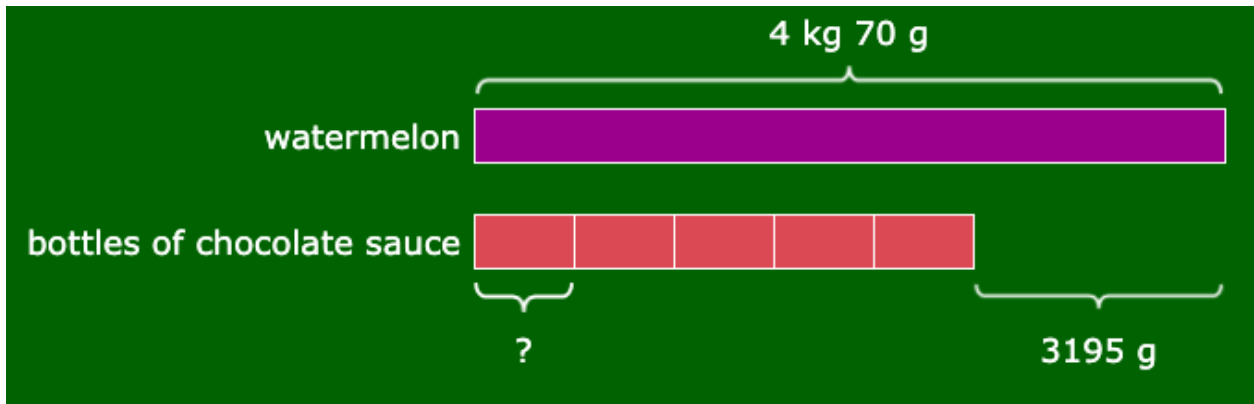
The mass of the log is 46 kg.

$$46 \text{ kg} - 35 \text{ kg} = 11 \text{ kg}$$

The mass of the cinder block is **11 kg**.



**Problem 5**



$$\begin{aligned} 4 \text{ kg } 70 \text{ g} - 3195 \text{ g} &= 4070 \text{ g} - 3195 \text{ g} \\ &= 875 \text{ g} \end{aligned}$$

The total mass of the 5 bottles of chocolate sauce is 875 g.

$$875 \text{ g} \div 5 = 175 \text{ g}$$

The mass of each bottle of chocolate sauce is **175 g**.