



Length Mass Volume 1-Step Word Problems

FREE Worksheet - 3

Time: 20 minutes

(Detailed solutions at the end)

1. A dispenser has a capacity of 5 l .

How many more millilitres of fruit punch are needed to fill the dispenser to the brim if the dispenser contains 720 ml of fruit punch?

Answer: _____ ml

2. There was 630 g of sugar in a jar.

After Falaq used some of the sugar to make a jelly,
there was 333 g of sugar left in the jar.

What was the mass of sugar used to make the jelly?

Answer: _____ gm of sugar



3. Barbara has a blue plastic rope of length 405 cm.

She cuts it into 9 pieces.

What is the length of each piece?

Answer: _____ cm

4. Megan has 260 ml of water in a glass.

She also has 2800 ml of water in a jar.

Find the total amount of water she has in litres and millilitres.

Answer: _____ l _____ ml



5. The mass of a boy is 25 kg.

The mass of a girl is 19 kg.

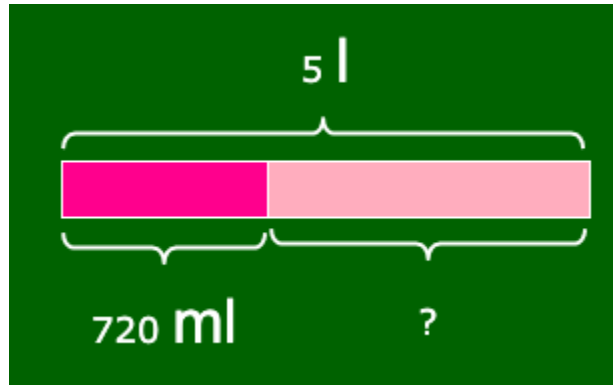
How much heavier is the boy than the girl?

Answer: _____ kg



SOLUTIONS

Problem 1



We know,

$$1 \text{ l} = 1000 \text{ ml}$$

So,

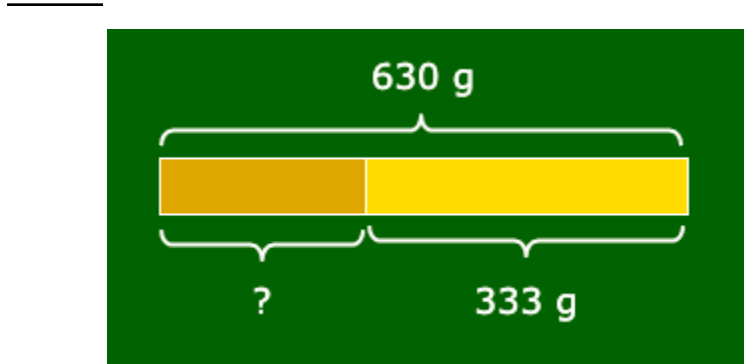
$$5 \text{ l} = 5000 \text{ ml}$$

$$\begin{aligned} 5 \text{ l} - 720 \text{ ml} &= 5000 \text{ ml} - 720 \text{ ml} \\ &= 4280 \text{ ml} \end{aligned}$$

4280 ml more fruit punch is needed to fill the dispenser to the brim.



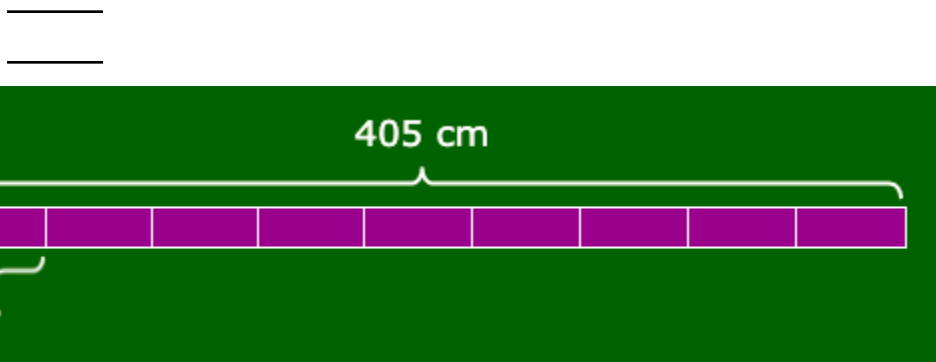
Problem 2



$$630 \text{ g} - 333 \text{ g} = 297 \text{ g}$$

297 g of sugar was used to make the jelly.

Problem 3



$$405 \text{ cm} \div 9 = 45 \text{ cm}$$

The length of each piece is **45 cm**.



Problem 4



We know,

$$1000 \text{ ml} = 1 \text{ l}$$

So,

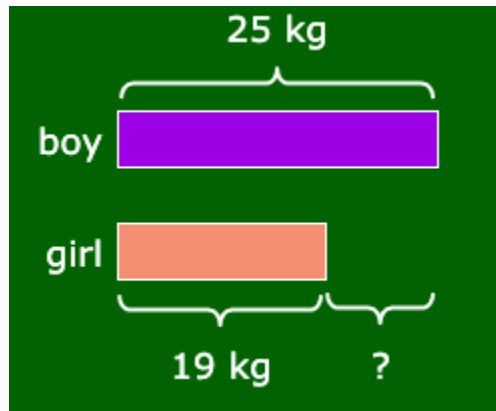
$$3000 \text{ ml} = 3 \text{ l}$$

$$\begin{aligned} 260 \text{ ml} + 2800 \text{ ml} &= 3060 \text{ ml} \\ &= 3000 \text{ ml} + 60 \text{ ml} \\ &= 3 \text{ l} + 60 \text{ ml} \\ &= 3 \text{ l } 60 \text{ ml} \end{aligned}$$

She has **3 l 60 ml** of water.



Problem 5



$$25 \text{ kg} - 19 \text{ kg} = 6 \text{ kg}$$

The boy is **6 kg** heavier than the girl.