Length Mass Volume 1-Step Word Problems

FREE Worksheet - 2

Time: 20 minutes

(Detailed solutions at the end)

---

1. A man is 152 cm tall.

   Another man is 153 cm tall.

   What is the total height of the two men in metres and centimetres?

   Answer: _____ m _____ cm

2. Brenda jogs 8 rounds of a jogger's track.

   If she jogs a total distance of 320 m, what is the length of one round of the track?

   Answer: _____ m

3. The mass of a carton of oil paints is 23 kg.

   The mass of a carton of acrylic colours is 12 kg.

   How much heavier is the carton of oil paints than the carton of acrylic colours?

   Answer: _____ kg

4. Mrs. Roberts buys a box of chocolates.

   The mass of the box of chocolates is 2844 g.

   The mass of the box when empty is 568 g.

   Find the mass of the chocolates in kilograms and grams.

   Answer: _____ kg _____ gm

5. Leon had 569 ml of orange juice.
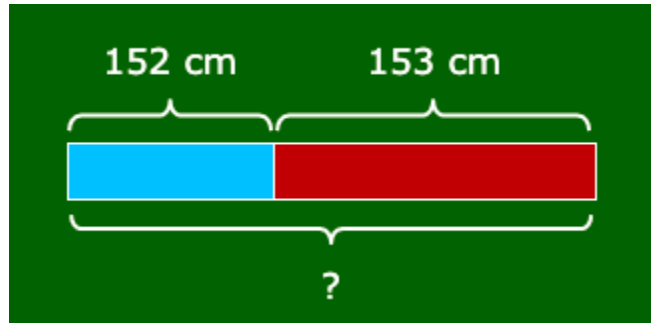
   He had 122 ml less orange juice than Ruby.

   How much orange juice had Ruby?

   Answer: _____ ml of orange juice

SOLUTIONS

Problem 1

We know,

100 cm = 1 m

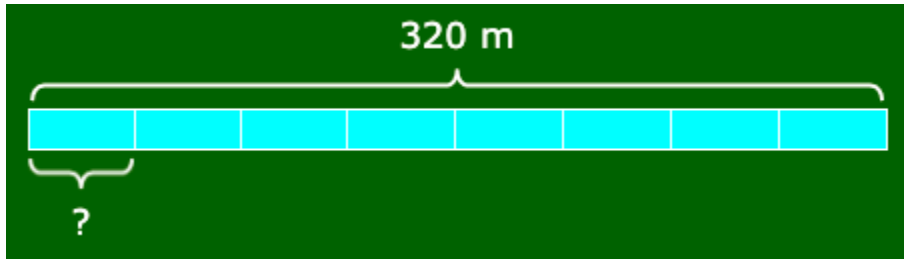*So,*

300 cm = 3 m

152 cm + 153 cm	=	305 cm
	=	300 cm + 5 cm
	=	3 m + 5 cm
	=	3 m 5 cm

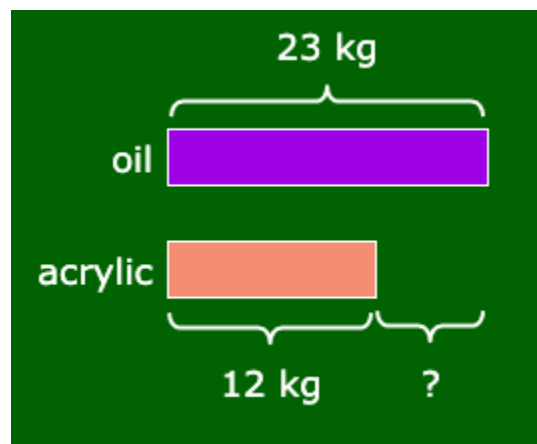The total height of the two men is ***3 m 5 cm***.

Problem 2

$$320 \text{ m} \div 8 = 40 \text{ m}$$

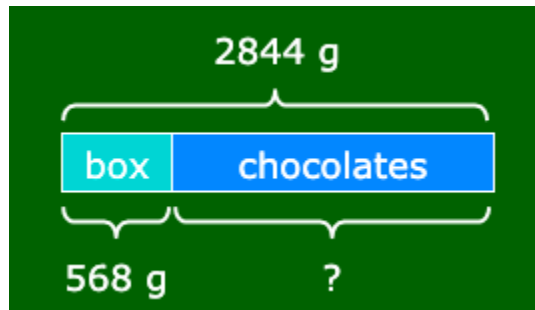The length of one round of the track is **40 m**.

Problem 3

$$23 \text{ kg} - 12 \text{ kg} = 11 \text{ kg}$$

The carton of oil paints is **11 kg** heavier than the carton of acrylic colours.
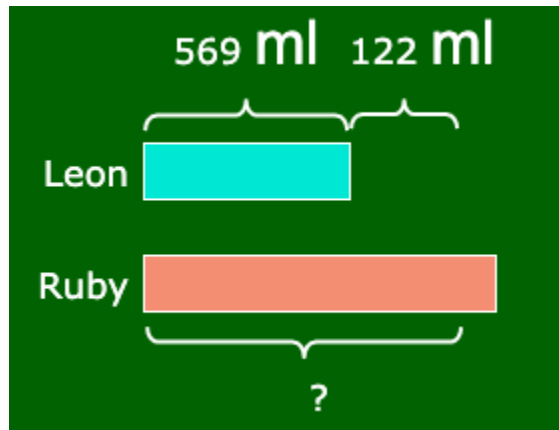
Problem 4

We know,

*   1000 gm = 1 kg*

So,

*   2000 gm = 2 kg*

2844 g − 568 g	=	2276 g
	=	2000 g + 276 g
	=	2 kg + 276 g
	=	2 kg 276 g

The mass of the chocolates is **2 kg 276 g**.

Problem 5

569 ml + 122 ml = 691 ml

Ruby had **691 ml** of orange juice.