Length Mass Volume 2-Steps Word Problems

FREE Worksheet - 1

Time: 20 minutes

(Detailed solutions at the end)

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1. Heather bought 230 g of coloured sand.

   She made 2 identical sand paintings with it and had 130 g of coloured sand left.

   How many grams of coloured sand did she use for a sand painting?

   Answer: _____ g

2. An iron sheet has a mass of 174 kg.

   It is 3 times as heavy as an aluminium sheet.

   Find the total mass of the iron sheet and the aluminium sheet.

   Answer: _____ kg

3. A basket filled with beans had a mass of 4101 g.

   When Stephen removed half the beans from the basket,

   the mass of the basket became 2175 g.

   What was the mass of the empty basket?

   Answer: _____ g

4. Rebecca had 3 m 80 cm of ribbon.

   She used 220 cm of it to tie a gift.

   Then she cut the remaining ribbon into 5 equal pieces.

   What was the length of each piece?

   Answer: _____ cm

5. Melody cut a spool of kitestring that she bought from Mr. Singh into 6 equal pieces.

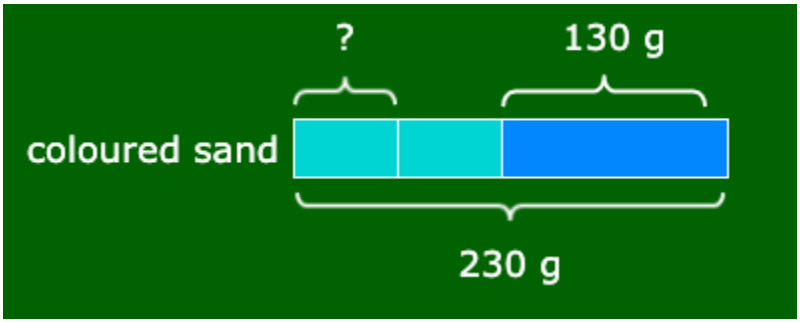
   Mr. Singh had made 5 such spools from 780 cm of kitestring.

   What was the length of one piece of kitestring that Melody got?

   Answer: _____ cm

SOLUTIONS

Problem 1



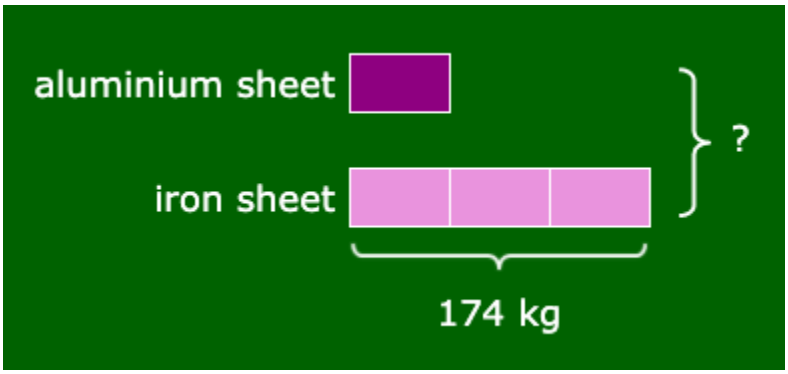
230 g − 130 g = 100 g

She used a total of 100 g of coloured sand for the 2 sand paintings.

100 g ÷ 2 = 50 g

She used ***50 g*** of coloured sand for a sand painting.

Problem 2



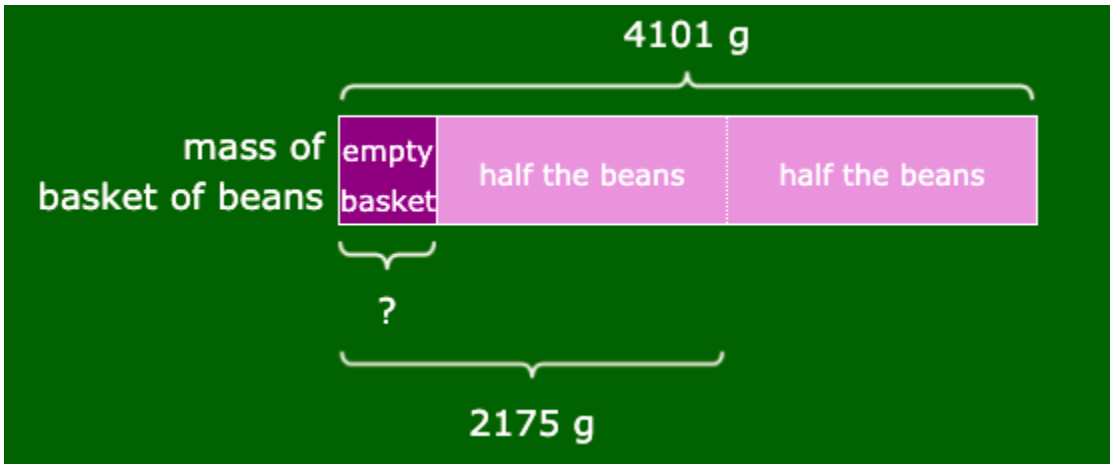
174 kg ÷ 3 = 58 kg

The mass of the aluminium sheet is 58 kg.

174 kg + 58 kg = 232 kg

The total mass of the iron sheet and the aluminium sheet is ***232 kg***.

Problem 3



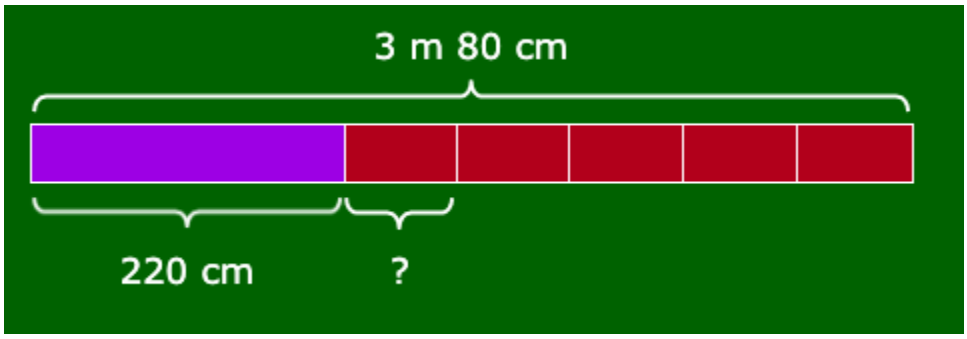
4101 g − 2175 g = 1926 g

The mass of half the beans was 1926 g.

2175 g − 1926 g = 249 g

The mass of the empty basket was ***249 g***.

Problem 4



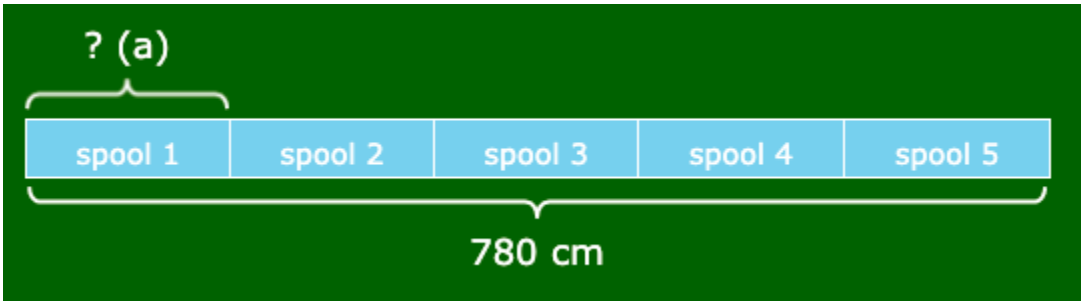
3 m 80 cm − 220 cm = 380 cm − 220 cm
= 160 cm

The total length of the remaining ribbon was 160 cm.

160 cm ÷ 5 = 32 cm

The length of each piece of ribbon was ***32 cm***.

Problem 5



780 cm ÷ 5 = 156 cm

The length of each spool of kitestring that Mr. Singh made was 156 cm.

156 cm ÷ 6 = 26 cm

The length of one piece of kitestring that Melody got was ***26 cm***.