Length Mass Volume 2-Steps Word Problems

FREE Worksheet - 2

Time: 20 minutes

(Detailed solutions at the end)

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1. The total volume of syrup in a can and 9 bottles is 2985 ml .

   If each bottle has 240 ml of syrup, find the volume of syrup in the can.

   Answer: _____ ml

2. Ariel has participated in a horse riding race.

   He has to ride his horse from Point A to Point B and back.

   The distance between Point A and Point B is 7 km.

   How much further must he ride his horse to finish the race,

   if he has already ridden 10 km?

   Answer: _____ km

3. Catherine has a cord 257 cm long.

   Nathalie has a cord that is 268 cm longer than Catherine's cord.

   What is the total length of the two cords?

   Give your answer in metres and centimetres.

   Answer: _____ m _____ cm

4. Aaliyah has 6 rolls of adhesive tape.

   Each roll has 2 m 65 cm of adhesive tape.

   She uses two rolls of adhesive tape to stick a painting to a wall.

   How many centimetres of adhesive tape has she left?

   Answer: _____ cm

5. A carton has a mass of 15 kg.

   A barrel is six times as heavy as the carton.

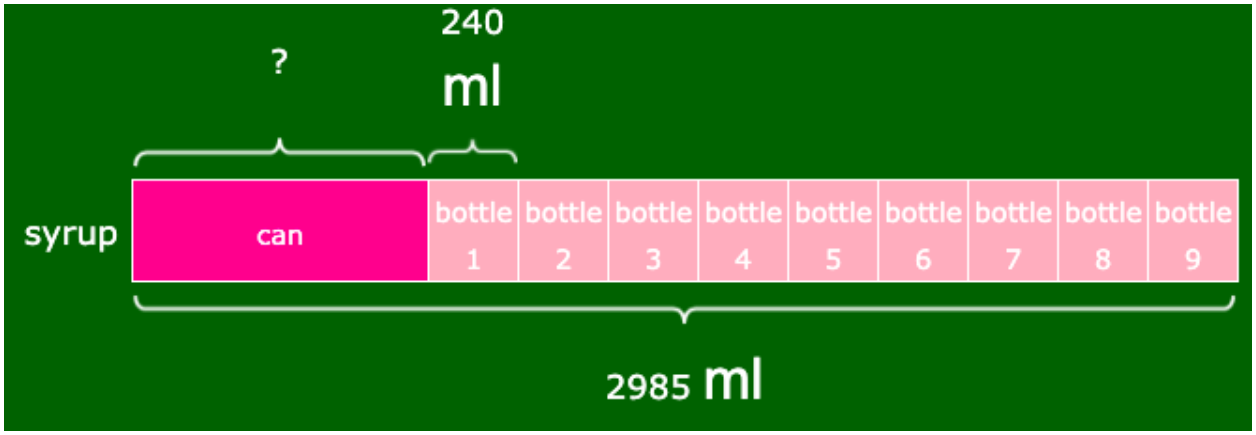
   A box is 16 kg lighter than the barrel.

   What is the mass of the box?

   Answer: _____ kg

SOLUTIONS

Problem 1



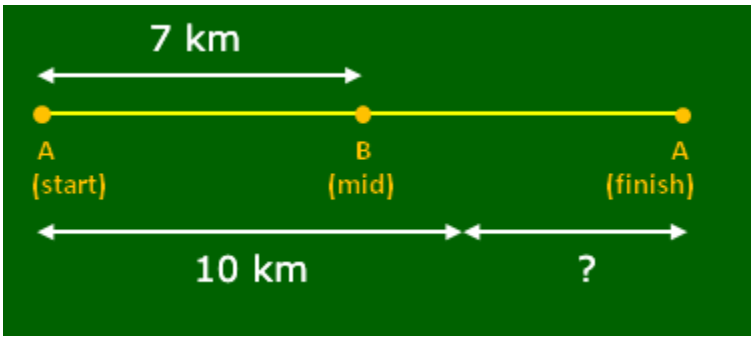
240 ml × 9 = 2160 ml

Total volume of syrup in the 9 bottles is 2160 ml .

2985 ml − 2160 ml = 825 ml

The volume of syrup in the can is ***825 ml*** .

Problem 2



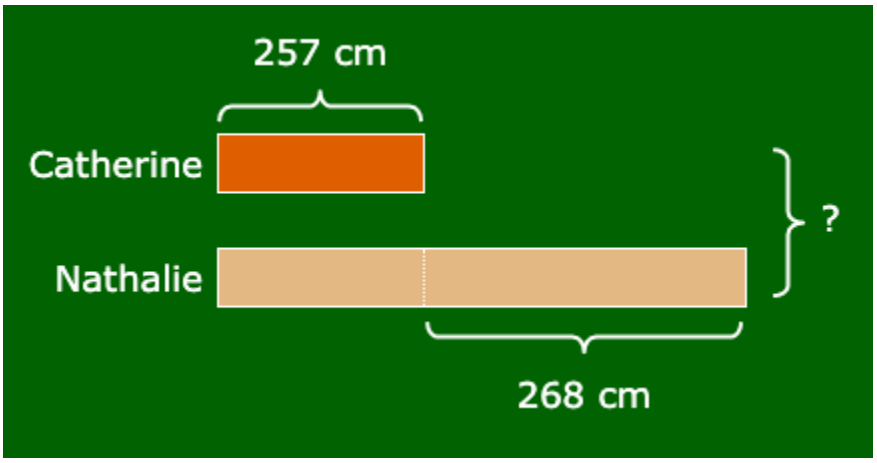
7 km × 2 = 14 km

The total distance from Point A to Point B and back is 14 km.

14 km − 10 km = 4 km

He must ride ***4 km*** further to finish the race.

Problem 3



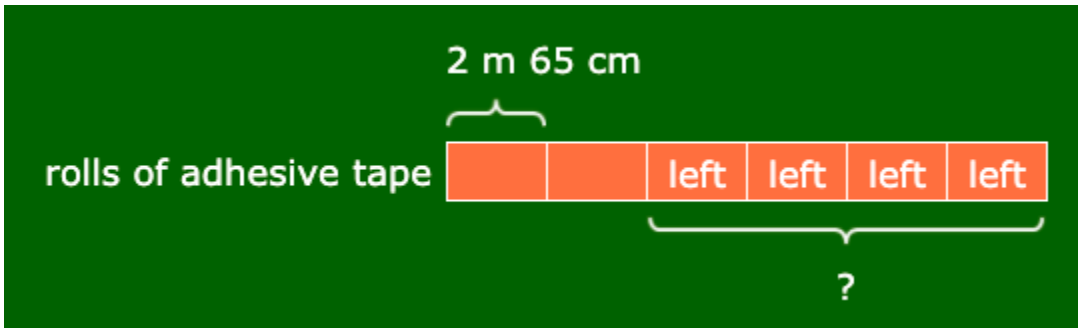
257 cm + 268 cm = 525 cm

The length of Catherine's cord is 525 cm.

257 cm + 525 cm = 782 cm
= 7 m 82 cm

The total length of the two cords is ***7 m 82 cm***.

Problem 4



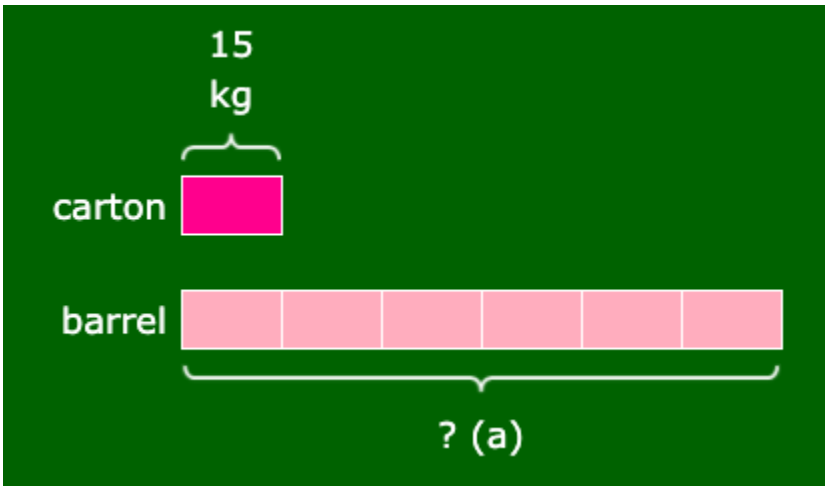
6 − 2 = 4

She has 4 rolls of adhesive tape left.

2 m 65 cm × 4 = 265 cm × 4
= 1060 cm

She has ***1060 cm*** of adhesive tape left.

Problem 5



15 kg × 6 = 90 kg (a)

The mass of the barrel is 90 kg.

90 kg − 16 kg = 74 kg

The mass of the box is ***74 kg***.