Problem Solving Part 1: Length & Mass

Middle Primary Advance Maths

Solve the following word problems.

1. Julie had 260 cm of ribbon. She bought another 140 cm of ribbon from the store and used all the ribbon to tie 4 similar Christmas presents. Each present used the same length of ribbon. What was the length of ribbon used to tie each present?

Do your workings below.

The length of ribbon used to tie each present was _____ cm.

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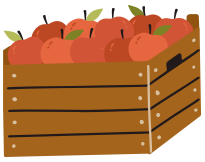
2. A greengrocer had to sort out 2 cartons of apples. However, Carton A is 14 kg while Carton B is 10kg. What is the mass of apples he must transfer from Carton A to Carton B so that both cartons will have the same mass?



Do your workings below.

He must transfer _____ kg of apples from Carton A to Carton B.

Problem Solving Part 1: Length & Mass - Solutions

Middle Primary Advance Maths

Solve the following word problems.

1. Julie had 260 cm of ribbon. She bought another 140 cm of ribbon from the store and used all the ribbon to tie 4 similar Christmas presents. Each present used the same length of ribbon. What was the length of ribbon used to tie each present?

Do your workings below.

260 cm + 140 cm = 400 cm

400 ÷ 4 presents = **100 cm**

The length of ribbon used to tie each present was **100** cm.

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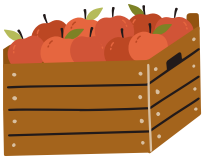
2. A greengrocer had to sort out 2 cartons of apples. However, Carton A is 14 kg while Carton B is 10kg. What is the mass of apples he must transfer from Carton A to Carton B so that both cartons will have the same mass?



Do your workings below.

14 kg + 10 kg = 24 kg

24 kg ÷ 2 = 12 kg Each parcel must weigh 12 kg.

So, we must transfer 2 kg of apples from Carton A since it has 14 kg at first to Carton B. So, Carton B will have 10kg + 2kg = 12 kg

He must transfer **2** kg of apples from Carton A to Carton B.