

10

The mass of a box containing 6 tins of beans is 7.5 kg.



When 2 tins of beans are removed, the mass of the box is 5.1 kg.

## What is the mass of one tin of beans?

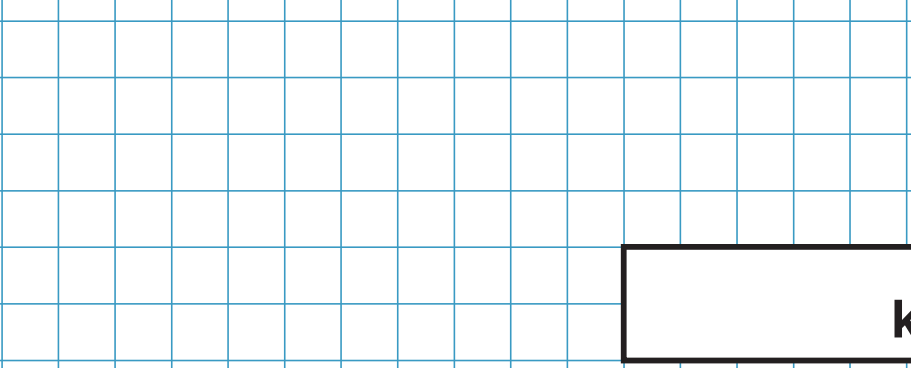
Show  
your  
method

kg

1 mark

What is the mass of the empty box?

Show  
your  
method



kg

2 marks

11

Martin is running in a race.

He runs  $\frac{2}{3}$  of the total distance of the race.

He has 18 km left to run.

What is the total distance of the race?

Show  
your  
method

km

2 marks

12

Here are the ingredients needed to make **8 pancakes**.

**Ingredients**

Sugar ..... 150 g

Butter ..... 275 g

Eggs..... 2

Flour..... 400 g

How much more flour is used than sugar?

Show  
your  
method

1 mark

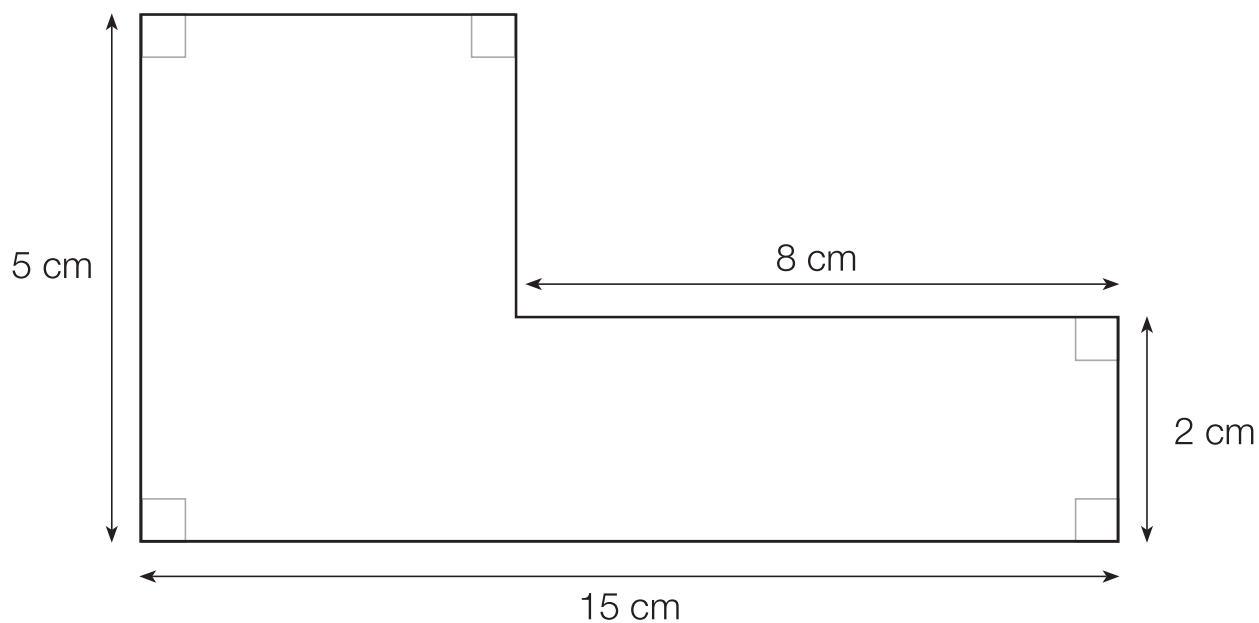
How much butter is needed for 24 pancakes?

Show  
your  
method

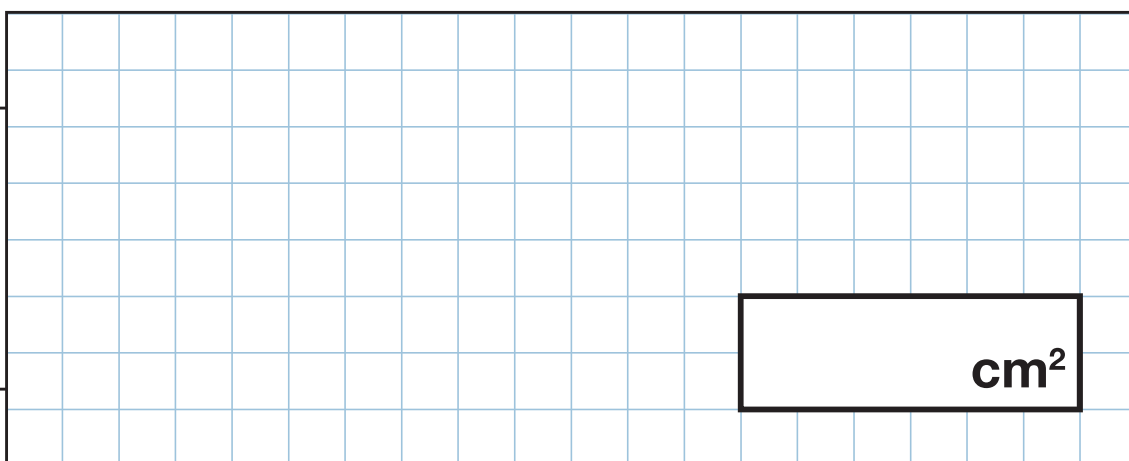
2 marks

13

Calculate the area of the shape.



Show  
your  
method



2 marks

**14**

Given that  $n = 20$ , what is the value of  $3n + 2$ ?

1 mark

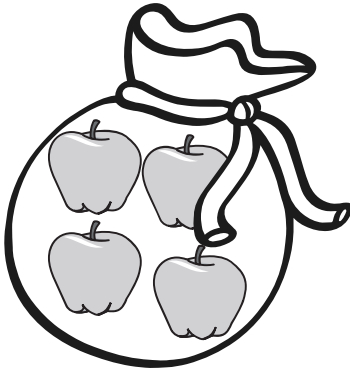
$$4p + 2 = 14$$

What is the value of  $p$ ?

1 mark

15

A shop sells single apples and bags of 4 apples.



Bag of 4 apples  
£1.32



Single apple  
40p

How much cheaper is it to buy 12 apples in bags rather than 12 single apples?

Show  
your  
method

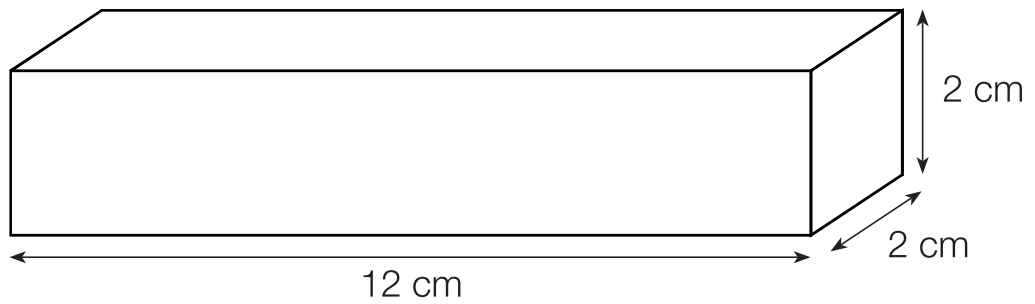
p

p

2 marks

16

Calculate the volume of the cuboid.



$\text{cm}^3$

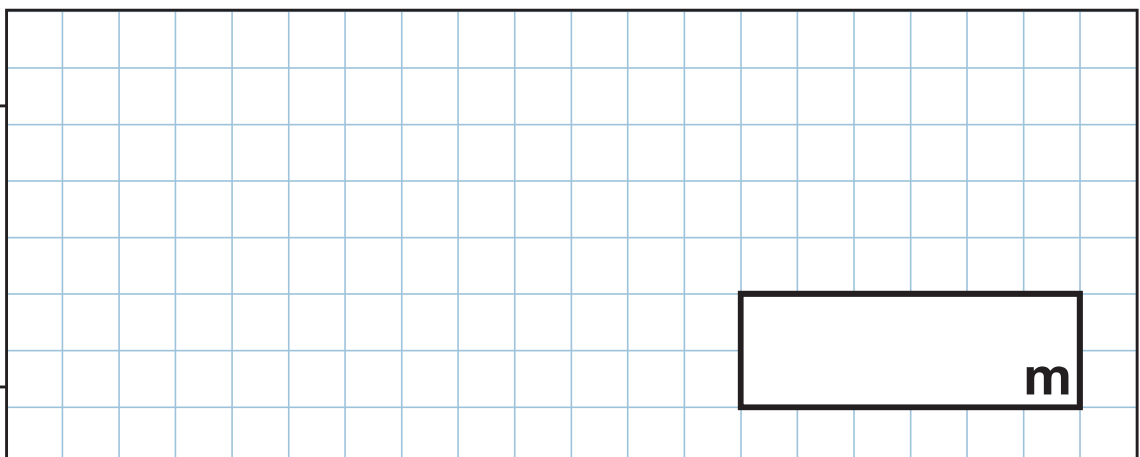
1 mark

17

What is  $\frac{3}{4}$  of 5 km?

Give your answer in metres.

Show  
your  
method



2 marks

18

Bilal and Charlie have some sweets.

Bilal has 4 times as many sweets as Charlie.

Bilal gives Charlie 15 of his sweets and now they have the same amount.

How many sweets do they have altogether?

Show  
your  
method

The grid is a large rectangle divided into a 20x10 grid of smaller squares. A small rectangular box with a black border is placed on the grid, containing the word "sweets" in bold black text. The box is positioned approximately 15 squares from the left and 3 squares from the bottom of the grid.

2 marks

END OF TEST