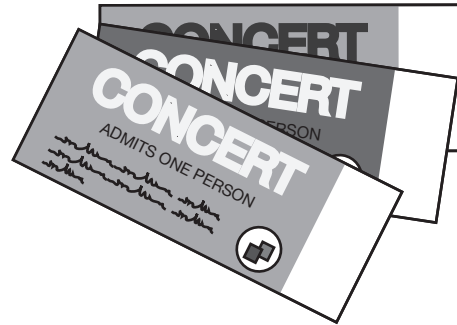


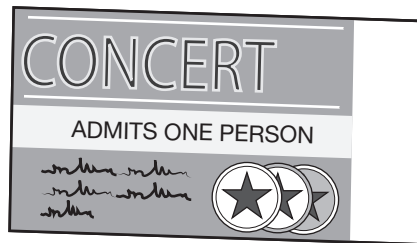
18

Last year, Jacob went to four concerts.

Three of his tickets cost £5 each.



The other ticket cost £7



What was the **mean** cost of the tickets?

Show
your
method

£

2 marks



19

One gram of gold costs £32.94

What is the cost of **half a kilogram** of gold?

Show your method

£

2 marks



19

The area of a rugby pitch is 6,108 square metres.

A football pitch measures 112 metres long and 82 metres wide.

How much larger is the area of the football pitch than the area of the rugby pitch?

Show
your
method

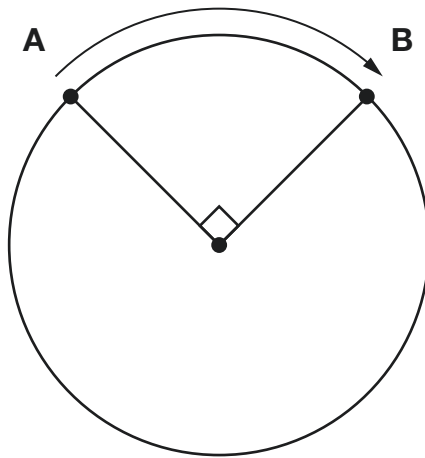
square metres

3 marks



19

The **circumference** of this circle is 60 centimetres.



Not
actual
size

What is the distance around the edge of the circle from **A** to **B**?

cm

1 mark



19

A machine pours 250 millilitres of juice every 4 seconds.

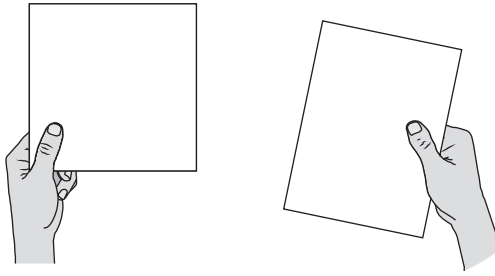
How many **litres** of juice does the machine pour every **minute**?

Show
your
method

litres

2 marks



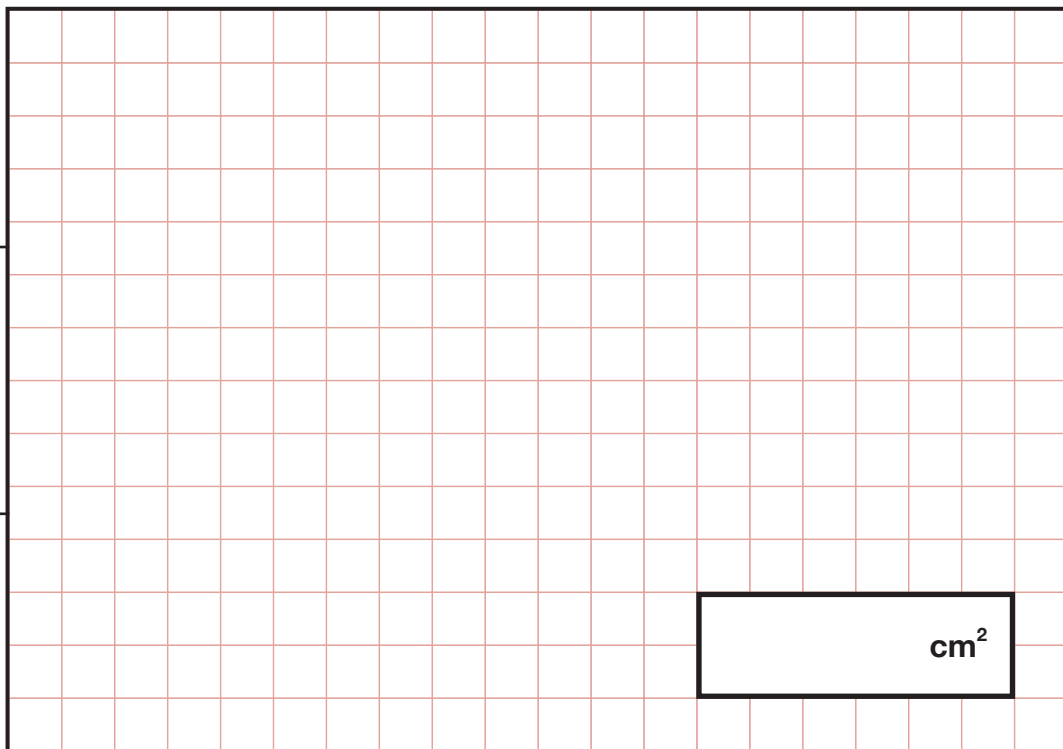


A square tile measures 20 cm by 20 cm.

A rectangular tile is 3 cm **longer** and 2 cm **narrower** than the square tile.

What is the **difference in area** between the two tiles?

Show
your
method



3 marks



21

Jack finished a sponsored run in 53 minutes 25 seconds.

Ally finished 3 minutes 50 seconds **after** Jack.

How long did Ally take?

min

sec

1 mark

Layla finished the run 8 minutes 45 seconds **before** Jack.

How long did Layla take?

min

sec

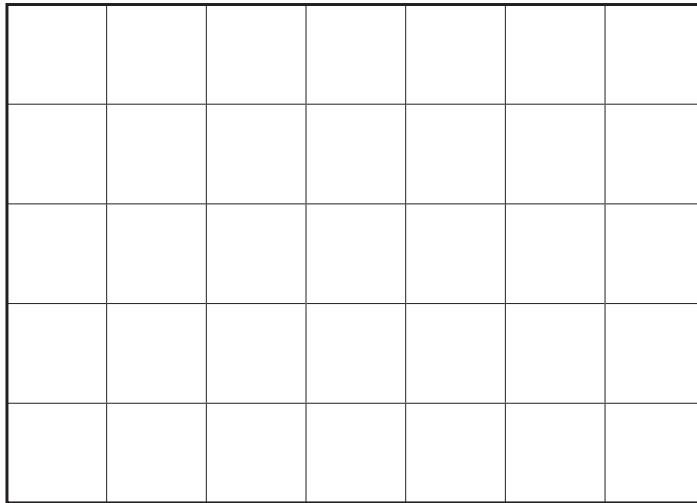
1 mark



G 0 0 0 8 0 A 0 2 3 2 4

21

Adam has this rectangular piece of card. It is marked with grid lines.



1 mark

Adam makes two straight cuts along the grid lines.

The two cuts divide the rectangle into 3 shapes:

- 2 squares of **different** size, and
- 1 rectangle.

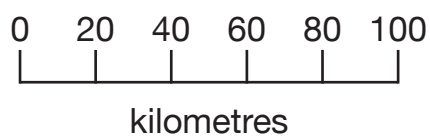
Using the grid lines, draw **two** lines that show where Adam could have made his cuts.

Use a ruler.



21

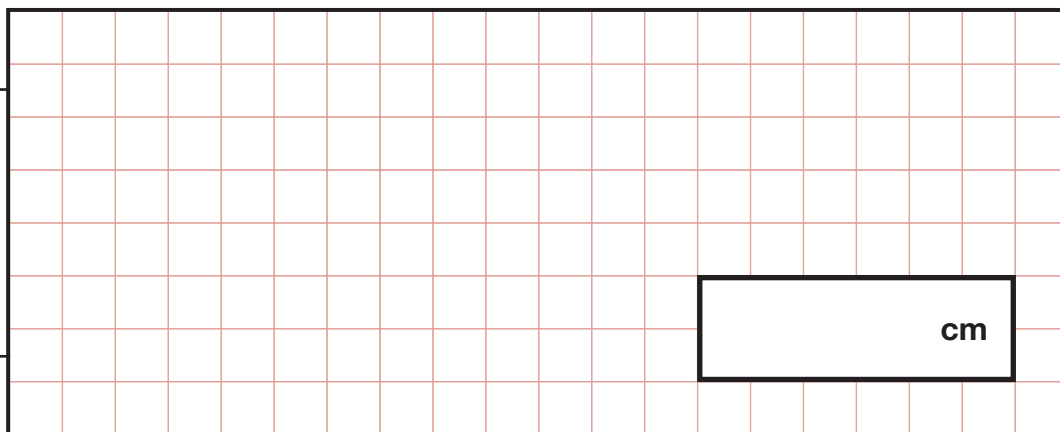
On a map, 1 cm represents 20 km.



The distance between two cities is **250 km**.

On the map, what is the distance between the two cities?

Show
your
method



2 marks

