

Ma

YEAR  
5

LEVELS  
3–5

TEST  
A

# Mathematics

## Test A

Calculator **not** allowed



Name

Date

Total marks





# Instructions

You **may not** use a calculator to answer any questions in this test.

Work as quickly and as carefully as you can.

You have **45 minutes** for this test.

If you cannot do one of the questions, **go on to the next one**.

You can come back to it later, if you have time.

If you finish before the end, **go back and check your work**.

**Follow the instructions for each question carefully.**



This shows where you need to put the answer.

If you need to do working out, you can use any space on a page.

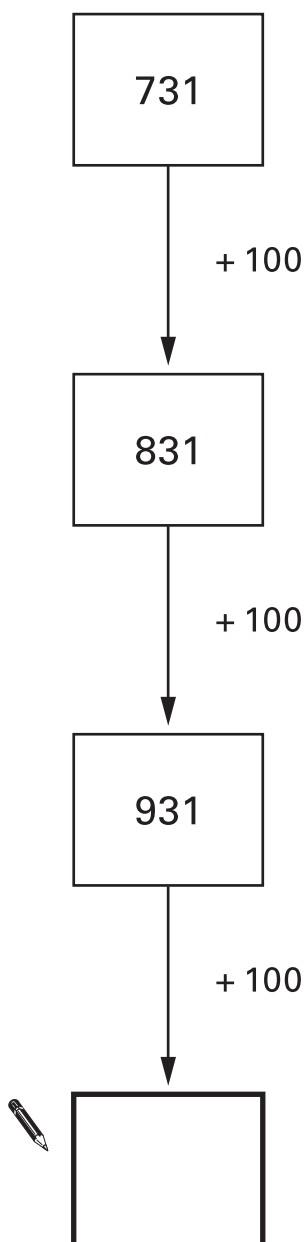
**Some questions have an answer box like this:**

A diagram showing a large rectangular box for an answer. To the left of the box is a circular callout with a pencil icon and the text 'Show your working. You may get a mark.' An arrow points from the callout to the box. In the bottom right corner of the box is a smaller rectangular box for the final answer.

For these questions you may get a mark for showing your working.

1

Write in the missing number.



2

Calculate **584 + 79**


2

3

Here is part of a calendar.

December						
Mon	Tues	Wed	Thur	Fri	Sat	Sun
		1	2	3	4	
6	7	8	9	10		
13	14	15				
20	21	22				
27	28					

Tyrone's birthday is on **December 18th**.

On what day of the week is Tyrone's birthday?



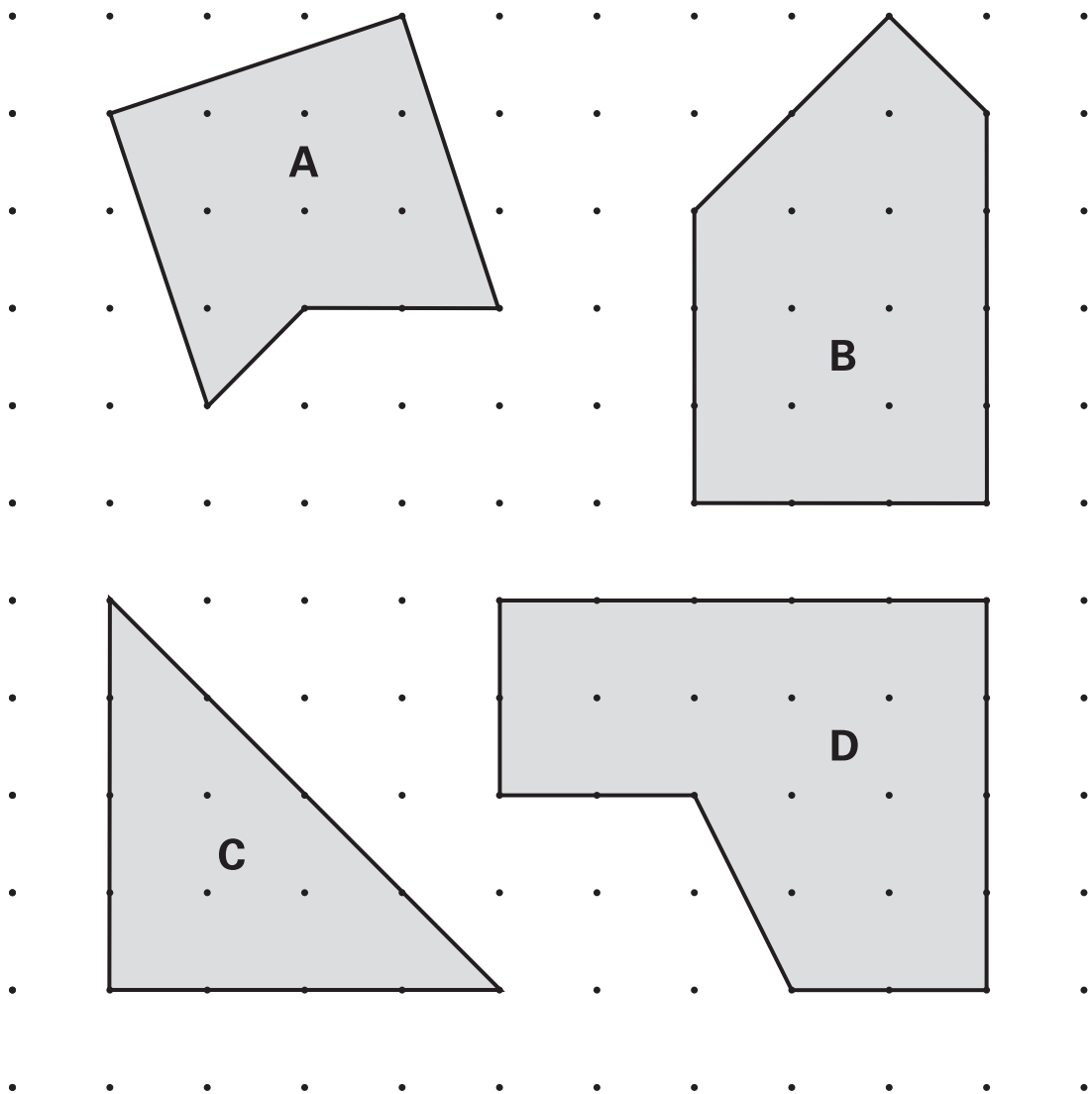
.....

3

4

Here are four shapes.

They each have a different number of right angles.



Write the letter for each shape in the correct order.

One has been done for you.

fewest right angles		most right angles	
 C			

5

Calculate **137 – 65**

5

6

Write the **two** missing numbers in this sequence. $\frac{1}{4}$  $\frac{1}{2}$  $\frac{3}{4}$ 

1

 $1\frac{1}{2}$ 

2

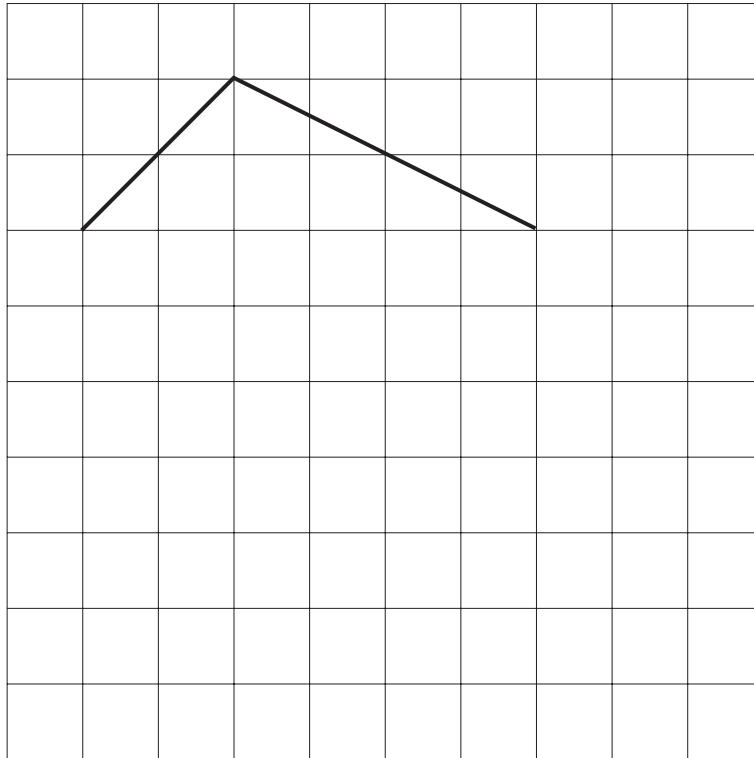
6

7

The lines drawn on the grid are two sides of a **pentagon**.

Complete the pentagon.

Use a ruler.



8

Here are four digit cards.

3

5

4

6

Use each of the digits **once** to make a **total that is a multiple of 5**

+



9

Peter and Stella compare colours they like and do not like.

Here is a sorting diagram that shows their results.



	Peter likes	Peter does <b>not</b> like
Stella likes	red   black	orange white
Stella does <b>not</b> like	purple  green	yellow

Write the colours that Stella likes but Peter does **not** like.



..... and .....

Peter likes the colour **blue** but Stella does not.

Write **blue** in the correct place on the sorting diagram above.

Here is an arrow.



The arrow is **rotated 90° clockwise**.

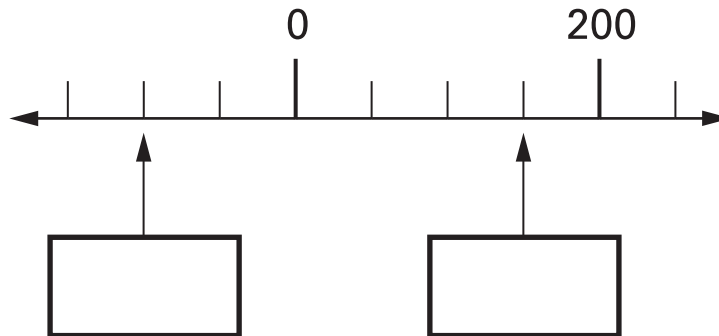
In which direction does the arrow now point?  
Put a tick (✓) by the correct answer.

☐☐☐☐☐

11

Here is part of a number line.

Write the missing numbers in the boxes.

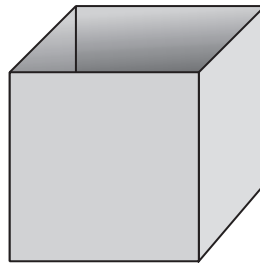


11a

11b

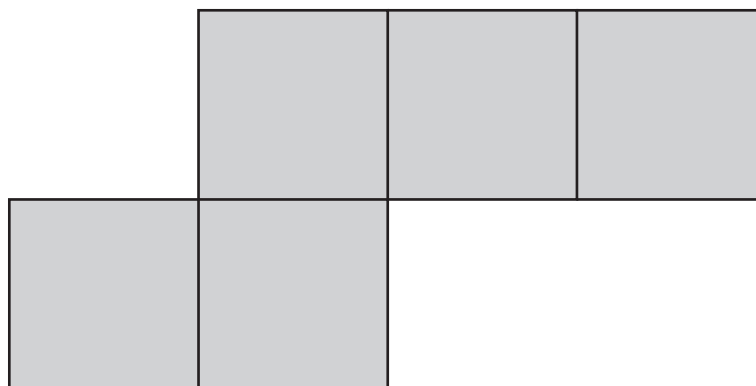
12

Here is an **open top** cube.



Here is the net from which it is made.

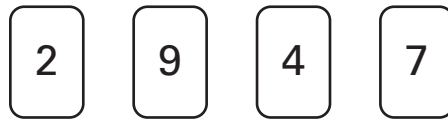
Put a tick (✓) on the square which is its **base**.



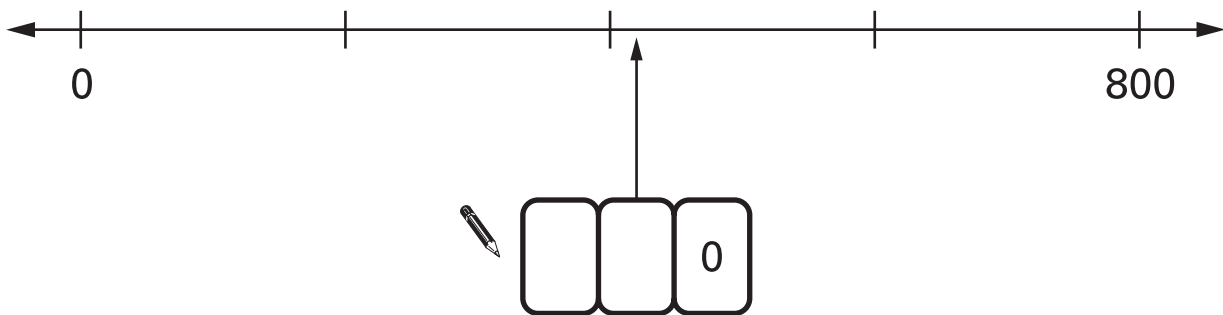
12

13

Here are four digit cards.



Use **two** of the four cards to make the number on the number line.



13

14

Circle the **two** divisions which have an answer of **5 remainder 2**

$$17 \div 5$$

$$17 \div 3$$

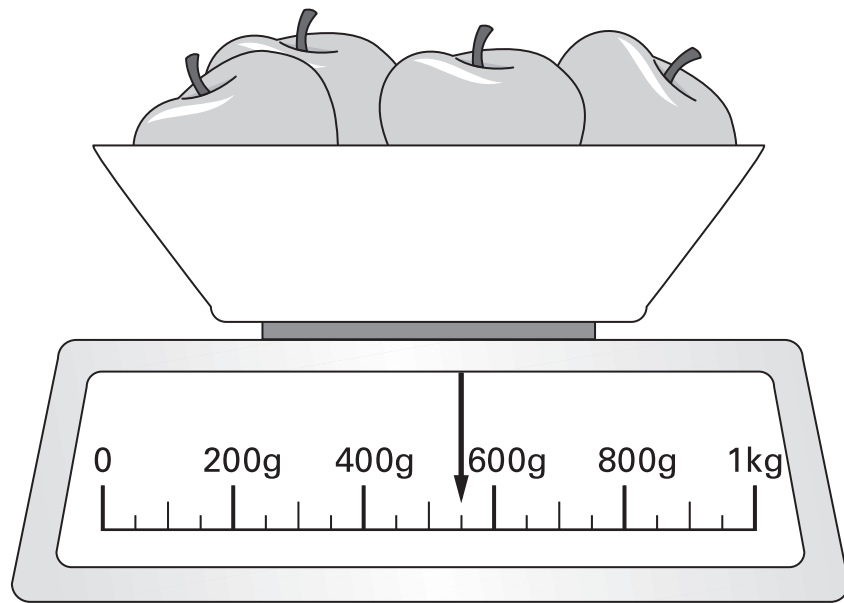
$$22 \div 4$$

$$22 \div 5$$

14

15

Here are some apples.



What is the total weight of these apples?

 g

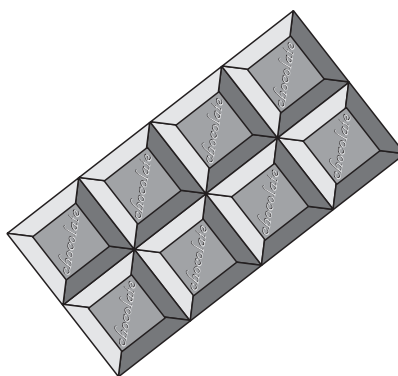
16

Calculate  $6247 - 2752$ 

16

17

Here is a chocolate bar.



William eats 3 pieces and Amber eats 2 pieces.

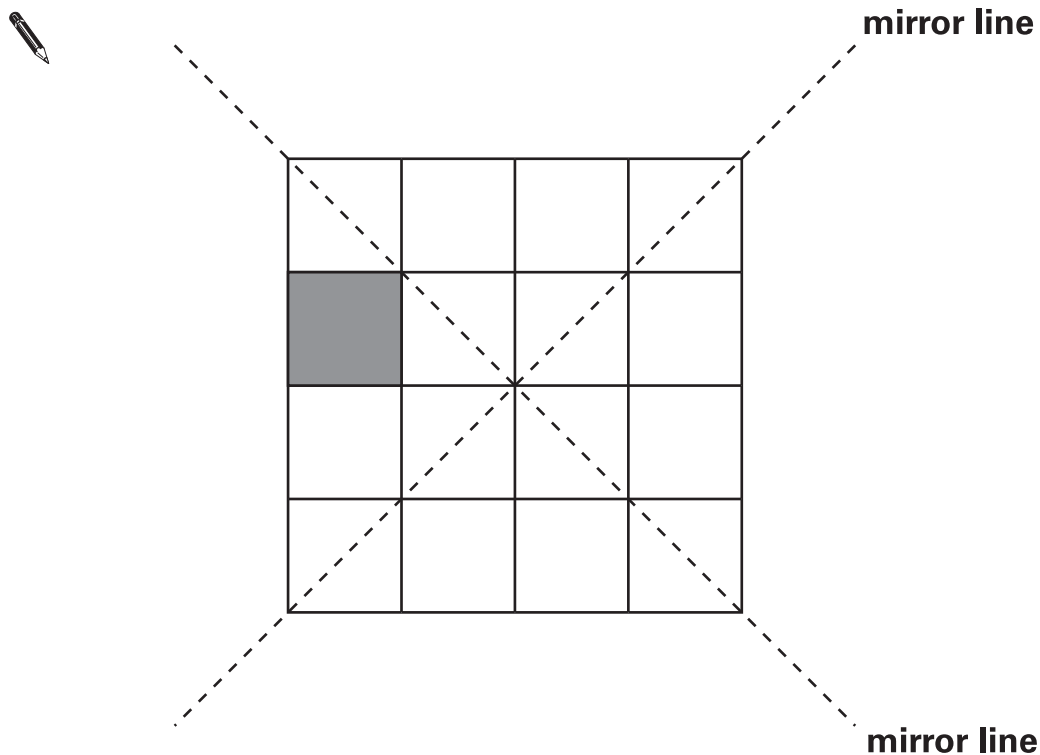
What **fraction** of the chocolate bar **remains**?

17

18

Here is a shaded square on a grid.

Shade in **3 more squares** so that the design is symmetrical in **both** mirror lines.



19

Here are four number cards.

3

12

7

4

Which two number cards are **factors of 42**?




and

Asim and Mike both buy **12** cans of lemonade.

Asim buys 3 packs of 4 cans.



pack of 4 cans  
**£1.20**

Mike buys 2 packs of 6 cans.



pack of 6 cans  
**£1.70**

Mike says to Asim,

***'You paid 50p more than me.'***

Is Mike correct?  
Circle **Yes** or **No**.



Yes / No

Explain how you know.



.....

.....

.....



21

Write the **same** number in each box to make this correct.

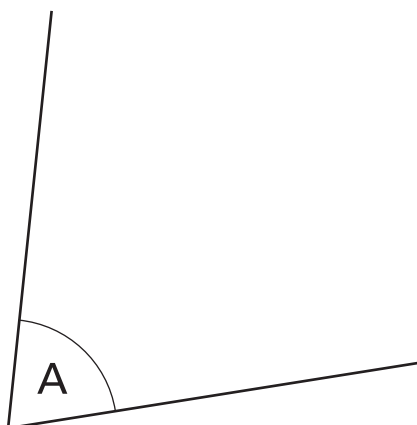

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = 10.5$$

21

22

Measure **angle A** accurately.

Use a protractor (angle measurer).



angle A =

22

23

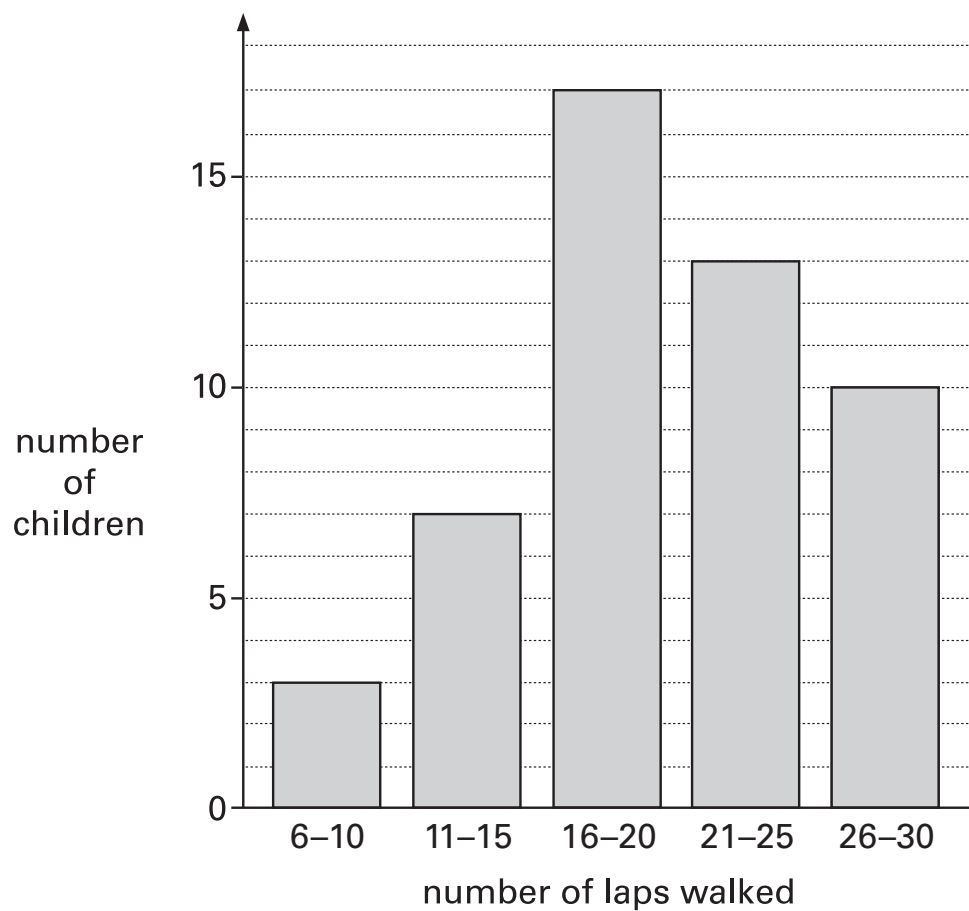
Calculate  $942 \div 6$ 

23

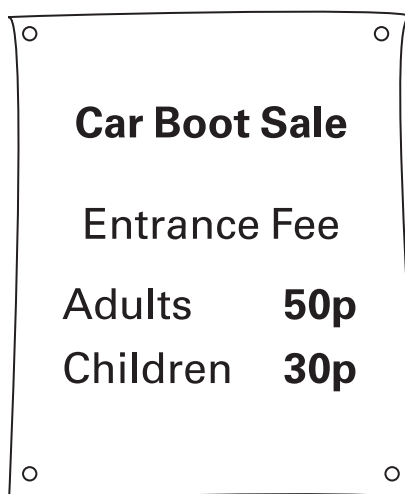
24

Some children do a sponsored walk.

The graph shows their results.

How many children walked **21 laps or more**?

24



**100** adults and **80** children pay to go in.

How much money do they pay altogether?



Show  
your **working**.  
You may get  
a mark.

£

25i

25ii

26

Here are the sunrise and sunset times for some days in July.

Date	Sunrise	Sunset
7th	04:53	21:18
14th	05:00	21:12
21st	05:09	21:05
28th	05:18	20:55

How many minutes earlier is the **sunset** on 28th July than on 7th July?



minutes

26

27

Write these numbers in order.

One has been done for you.

3.03

3.23

3.3

3

3.2



3

largest

smallest

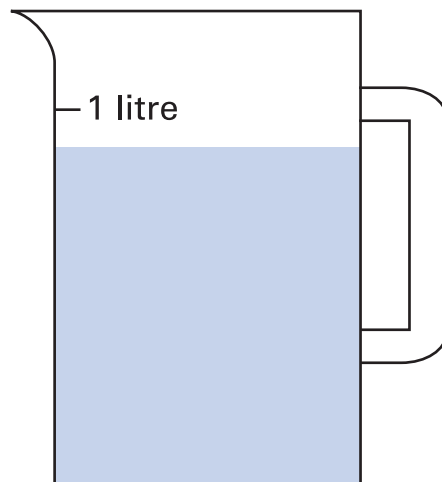
27

28

Sophie poured some water out of a **litre** jug.

Look how much is left in the jug.

**Estimate** how many millilitres of water are left.


 ml

28

29

Calculate  $47 \times 32$

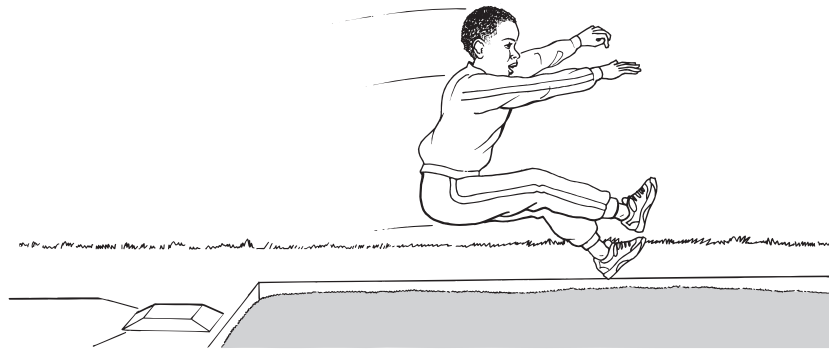


Show  
your **working**.  
You may get  
a mark.

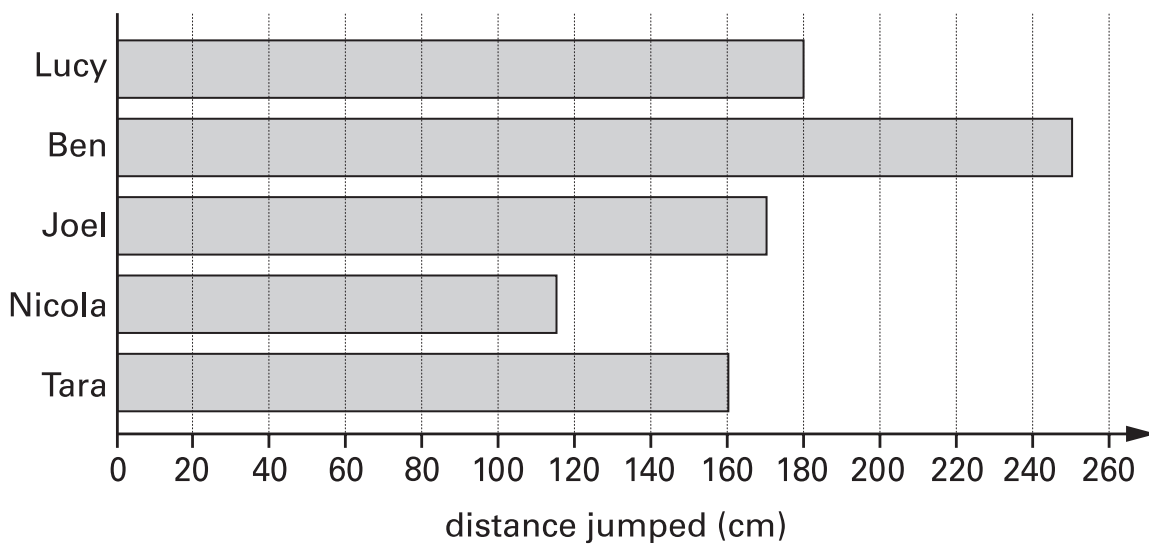
29i

29ii

Some children take part in the long jump.



The graph shows the distances the children jumped.

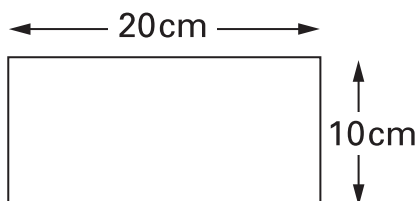


**Estimate** how much further Lucy jumped than Nicola.



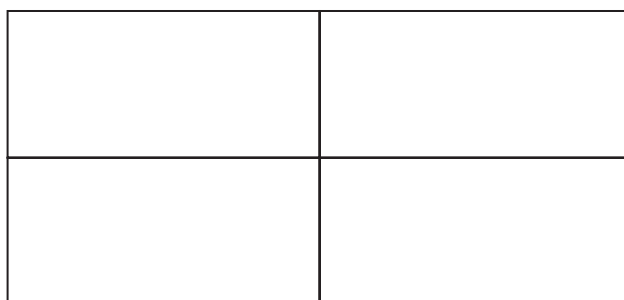
cm

Rebecca has rectangular tiles like this.



Not to scale

She makes a larger rectangle using 4 of the tiles.



What is the **area** of the larger rectangle?



cm<sup>2</sup>

