

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.

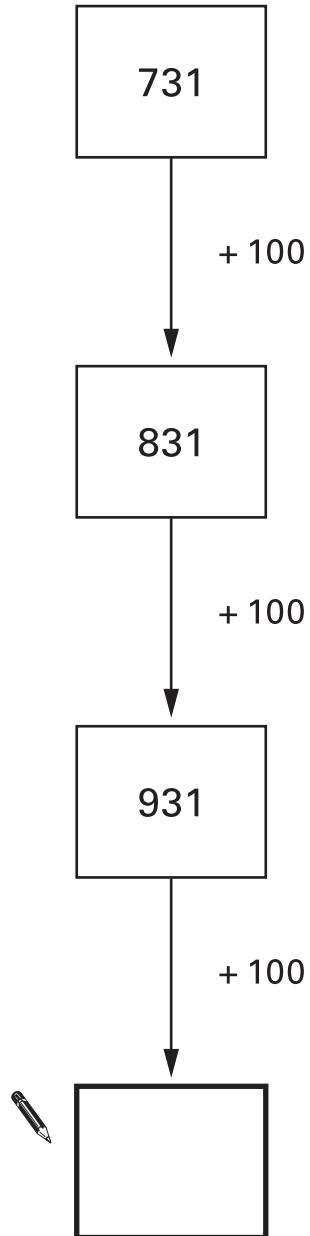
Some questions have an answer box like this:



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?



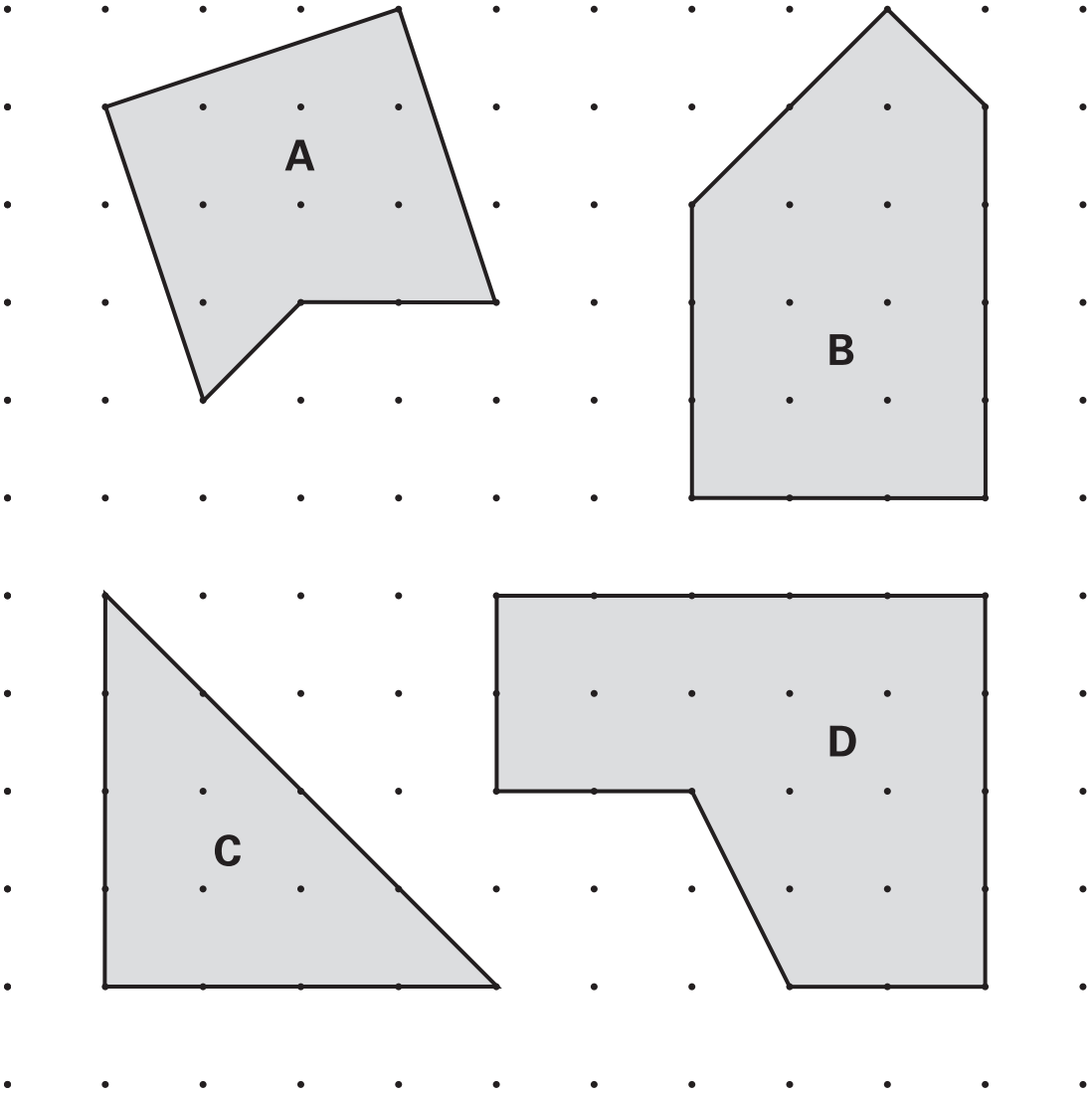
.....

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

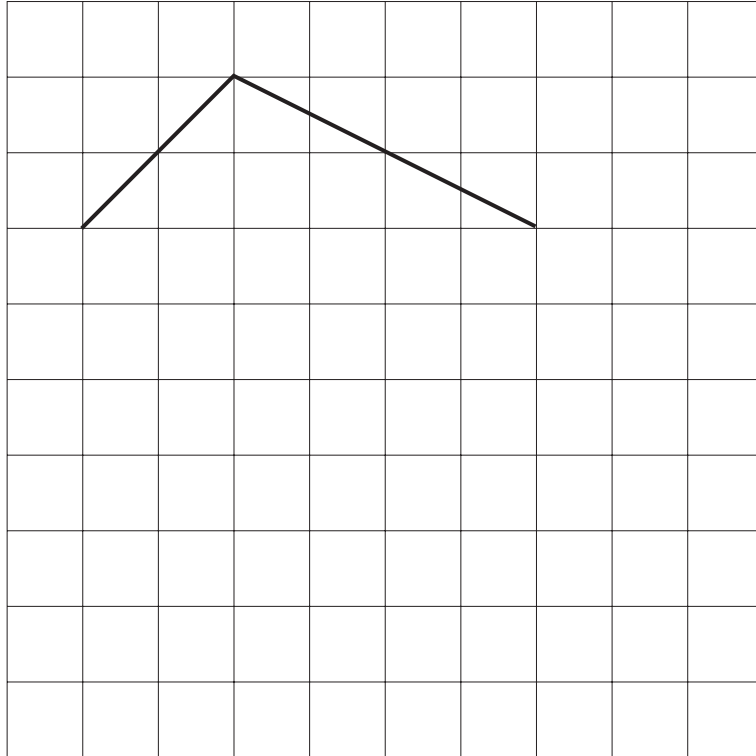
6

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 not like |
|-----------------------------|----------------------|----------------------------|
| Stella likes | red black | orange white |
| Stella does not 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.

10

Here is an arrow.

The arrow is rotated 90° clockwise.

In which direction does the arrow now point?

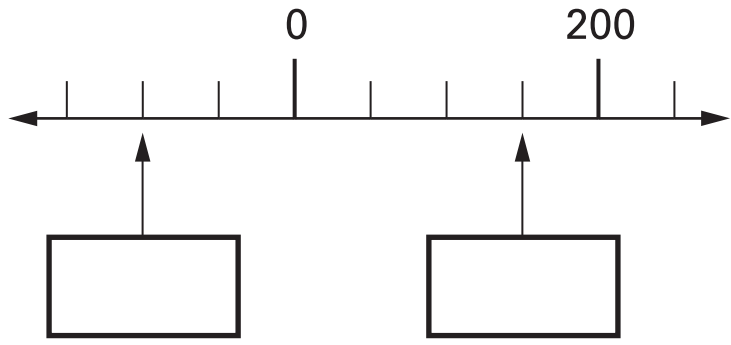
Put a tick (✓) by the correct answer.



11

Here is part of a number line.

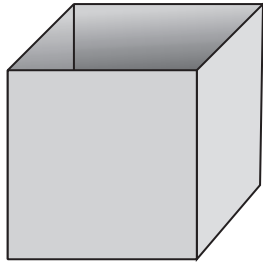
Write the missing numbers in the boxes.


 11a

 11b

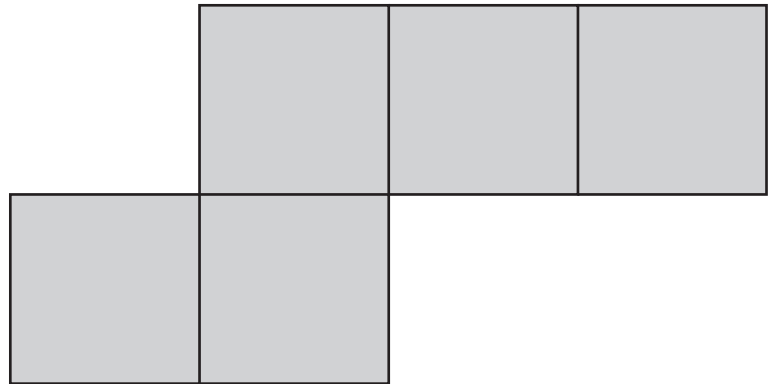
12

Here is an **open top** cube.



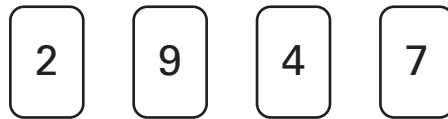
Here is the net from which it is made.

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

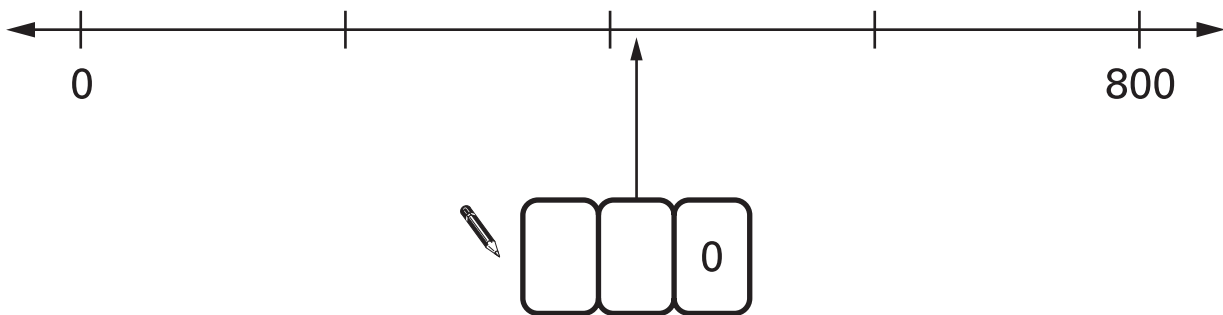

 12

13

Here are four digit cards.



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



13

14Circle the **two** divisions which have an answer of **5 remainder 2**

$17 \div 5$

$17 \div 3$

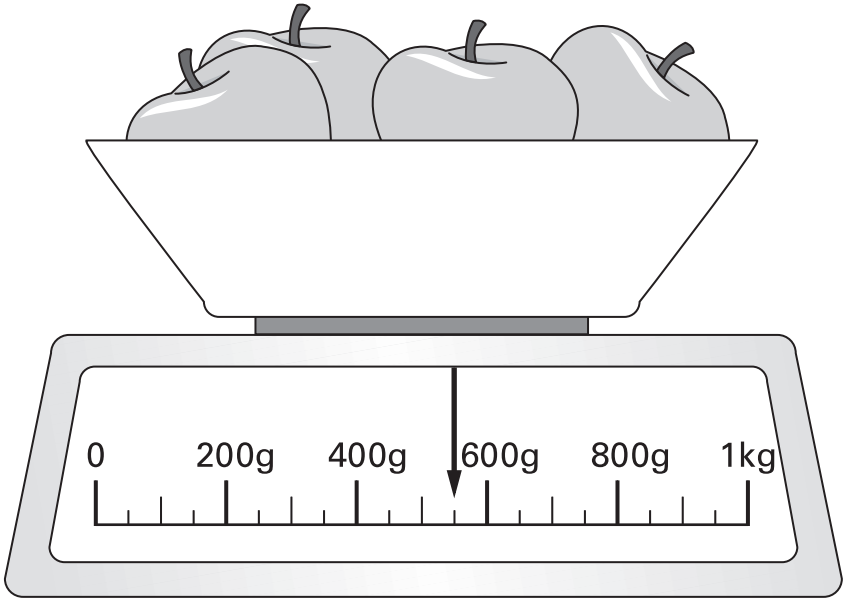
$22 \div 4$

$22 \div 5$

14

15

Here are some apples.



What is the total weight of these apples?

 g



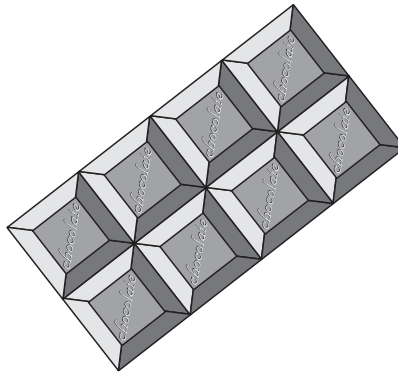
16

Calculate $6247 - 2752$ 

16

17

Here is a chocolate bar.



William eats 3 pieces and Amber eats 2 pieces.

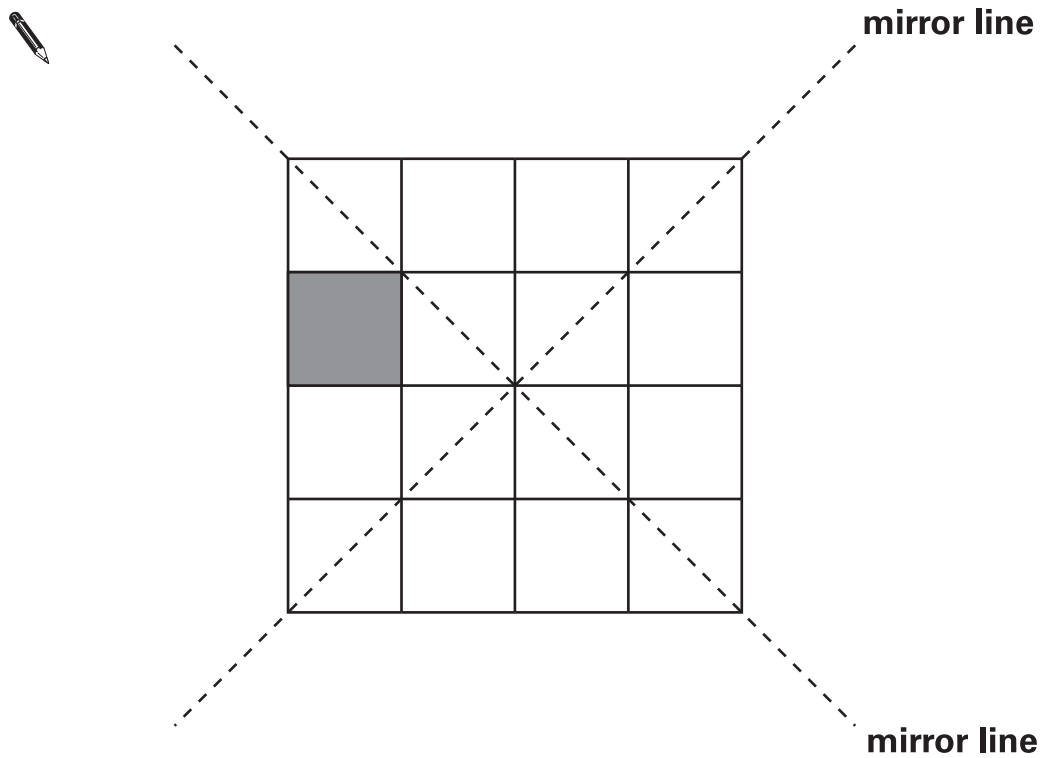
What **fraction** of the chocolate bar **remains**?

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

20

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.



.....
.....
.....

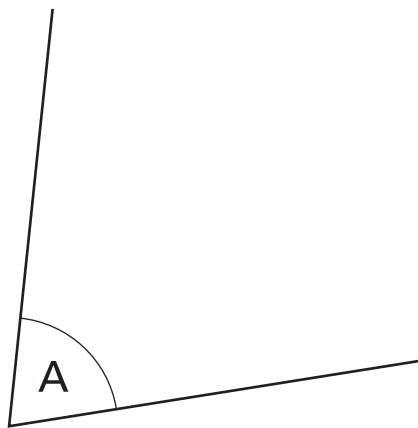
21Write the **same** number in each box to make this correct.

 + + = 10.5

21

22Measure **angle A** accurately.

Use a protractor (angle measurer).



angle A =

22

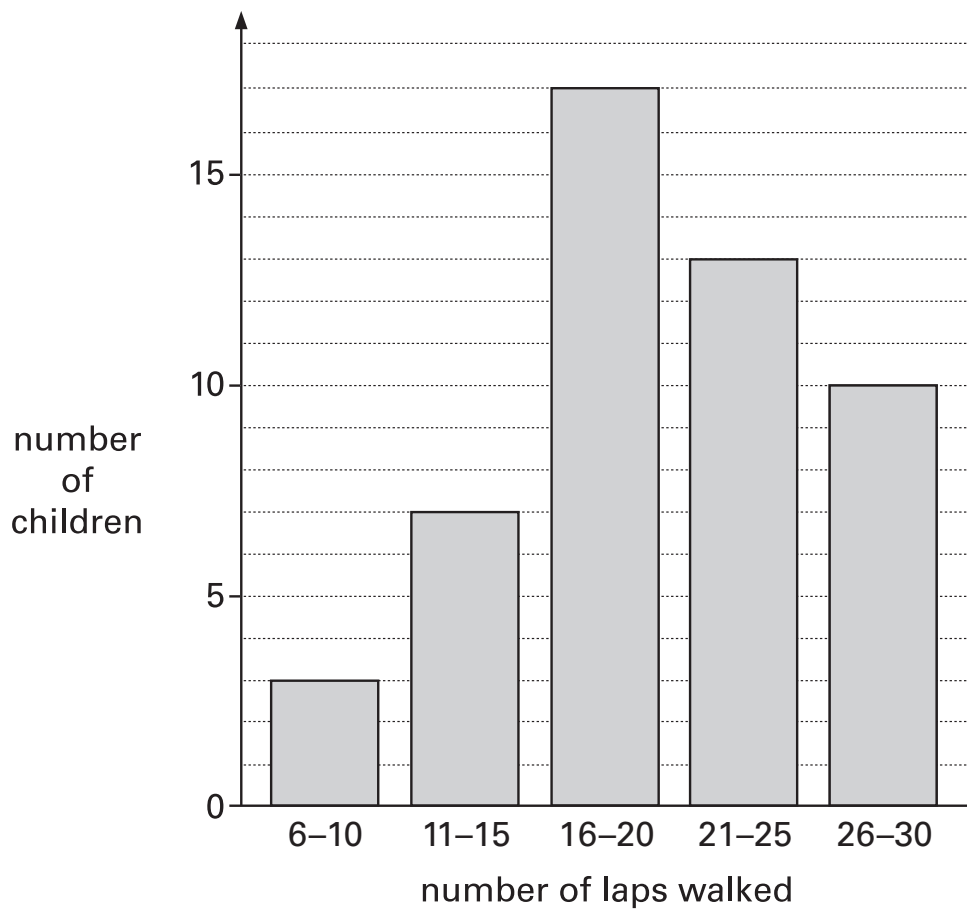
23Calculate $942 \div 6$ 

23

24

Some children do a sponsored walk.

The graph shows their results.

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

24

25

| | |
|----------------------|------------|
| Car Boot Sale | |
| Entrance Fee | |
| Adults | 50p |
| Children | 30p |

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

How much money do they pay altogether?



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

£

25 i

25 ii

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



27

Write these numbers in order.

One has been done for you.

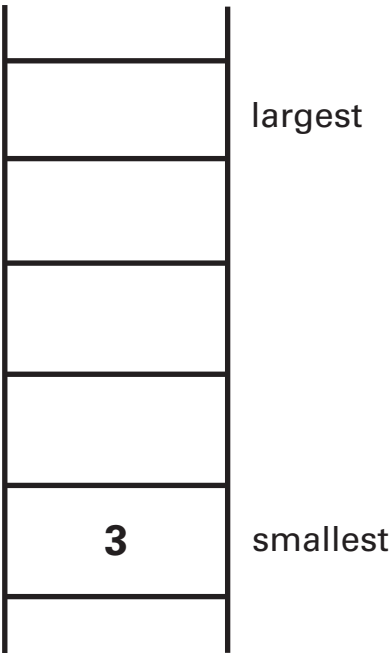
3.03

3.23

3.3

3

3.2

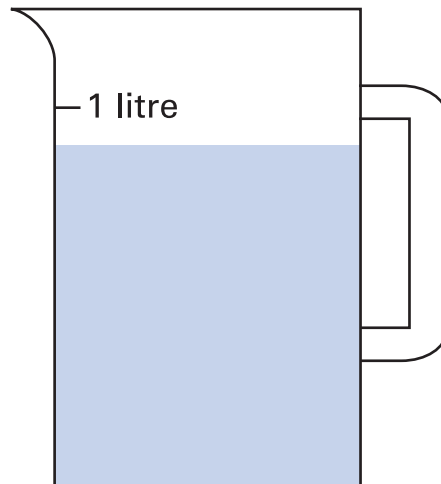


28

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.



28

29

Calculate 47×32



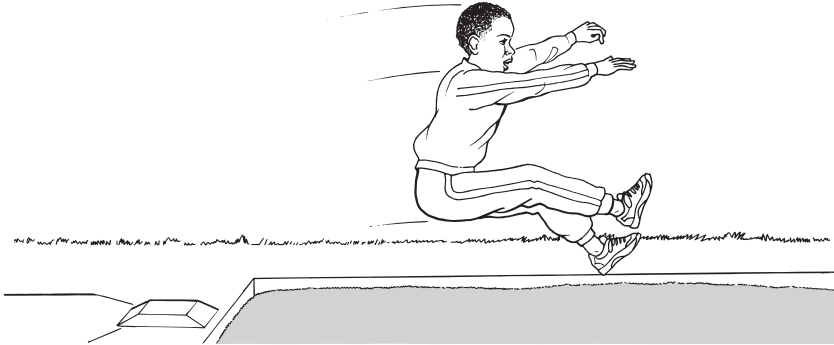
Show
your **working**.
You may get
a mark.

29 i

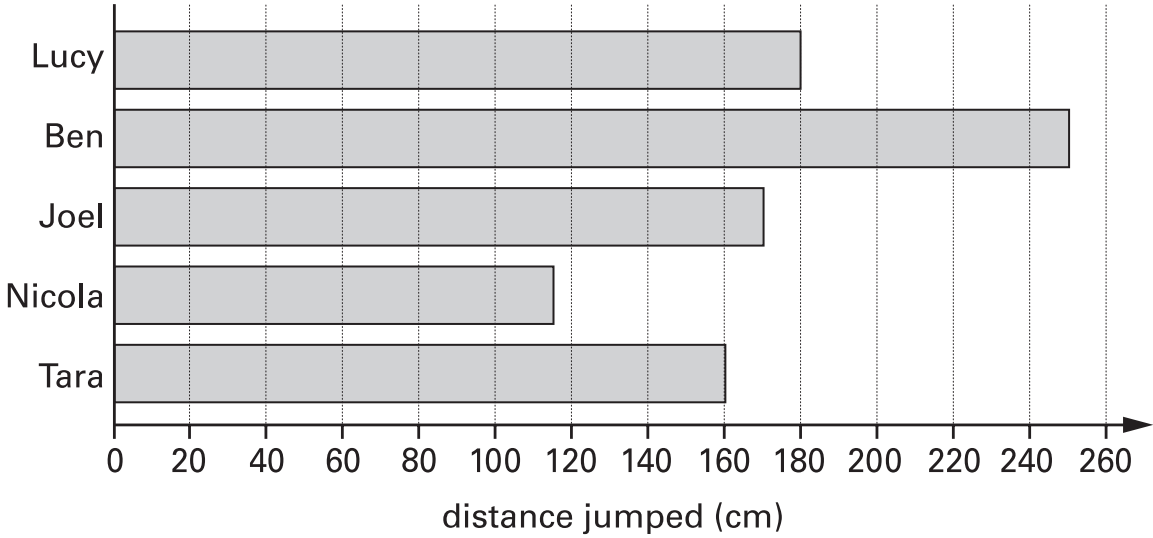
29 ii

30

Some children take part in the long jump.



The graph shows the distances the children jumped.



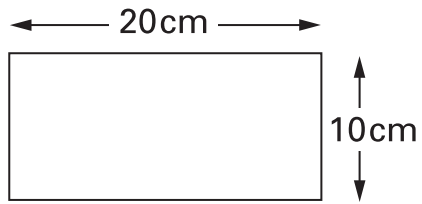
Estimate how much further Lucy jumped than Nicola.

 cm



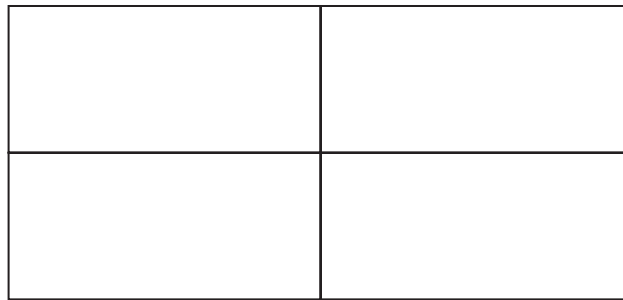
31

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?



31

