Ma

YEAR 5

LEVELS 3–5

TEST A

Mathematics

Test A

Calculator **not** allowed

Name

Date

Total marks

QCA

Guarding standards

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.

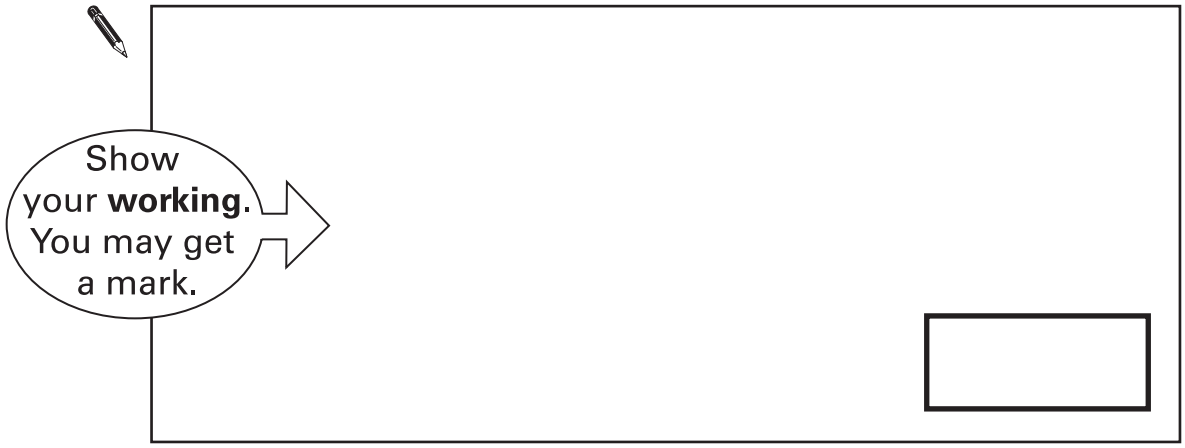
If you finish before the end, **go back and check your work**.

Follow the instructions for each question carefully.

This shows where you need to put the answer.

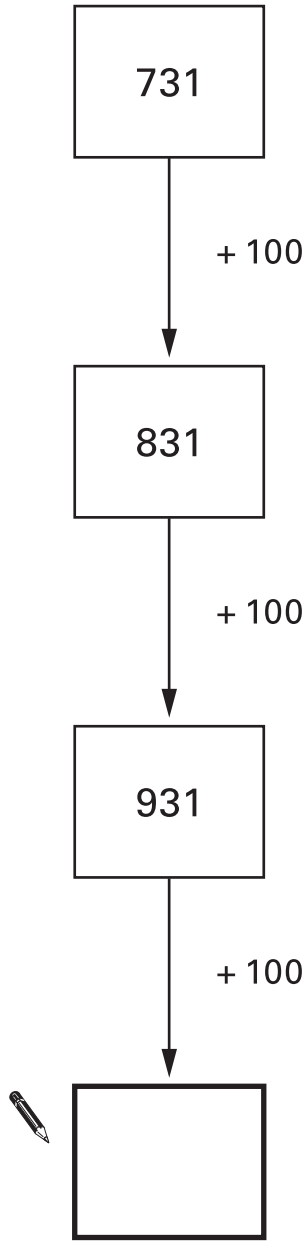
If you need to do working out, you can use any space on a page.

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.



1

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?

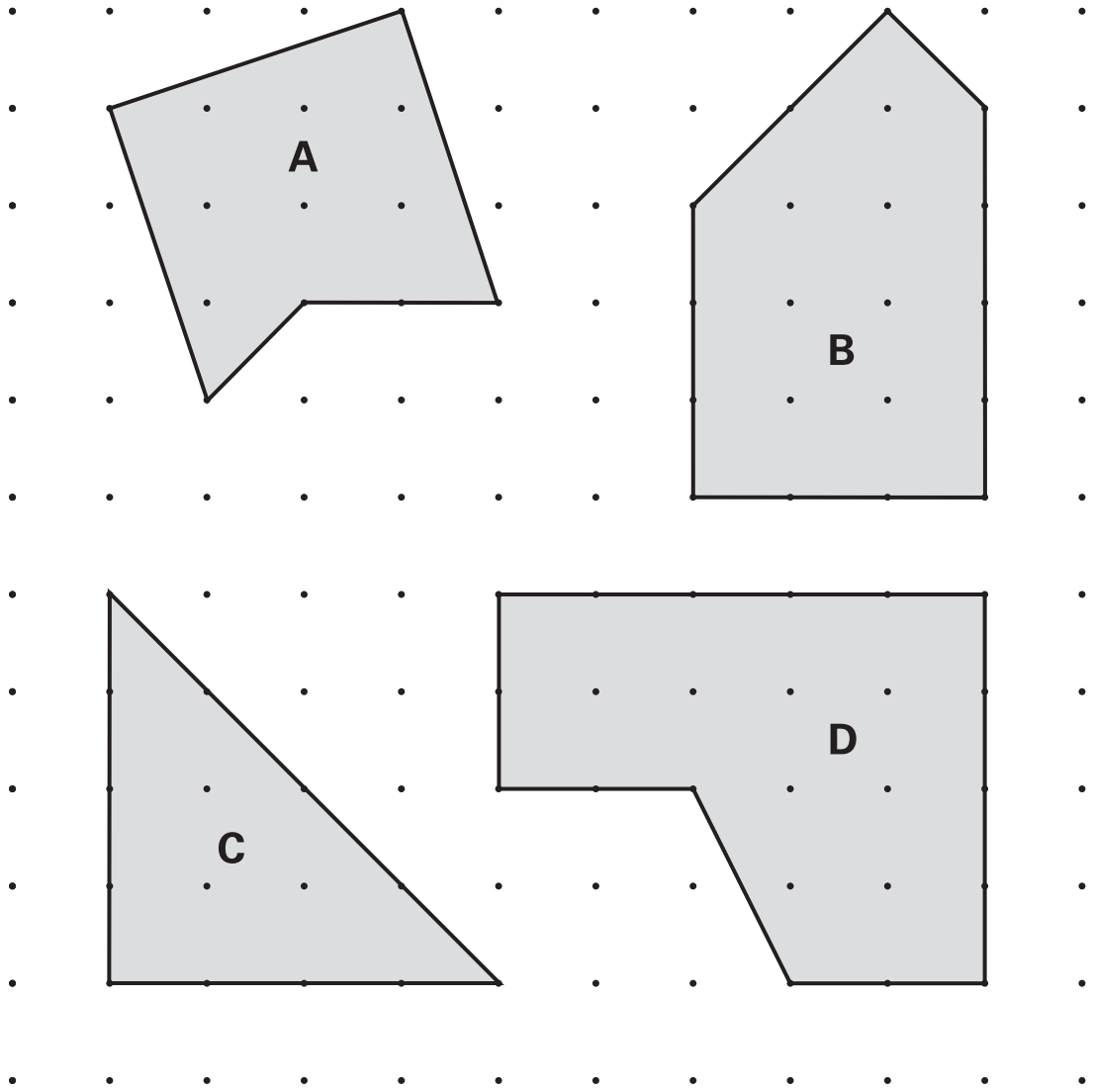
.....

3

Total

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			

4

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

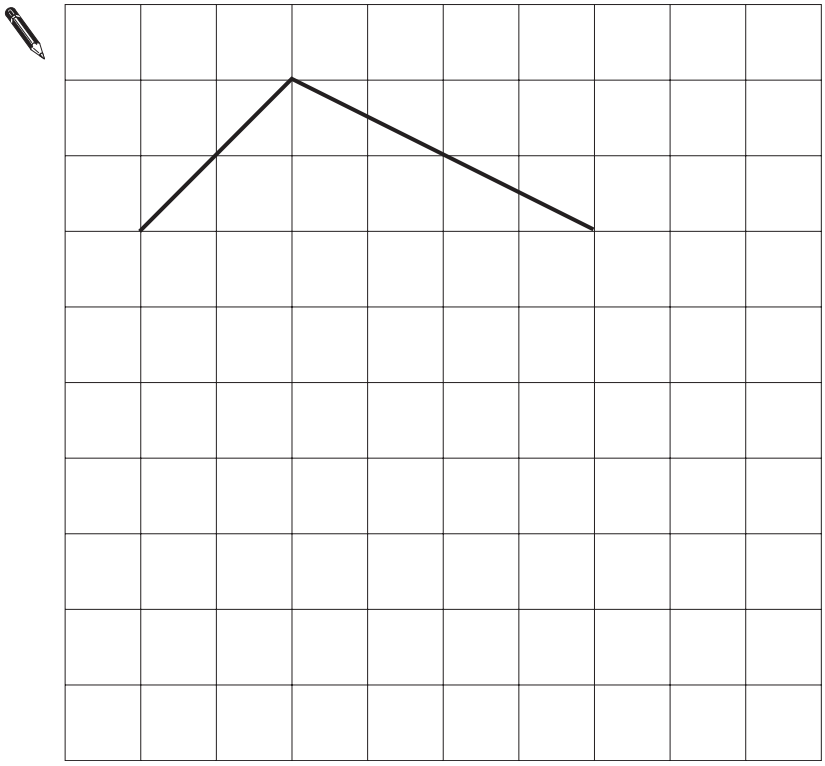
6

Total

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

Complete the pentagon.

Use a ruler.



7

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**

8

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 .....

9a

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

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

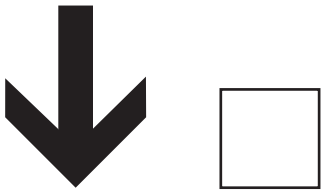
9b

Total

10 Here is an arrow.

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

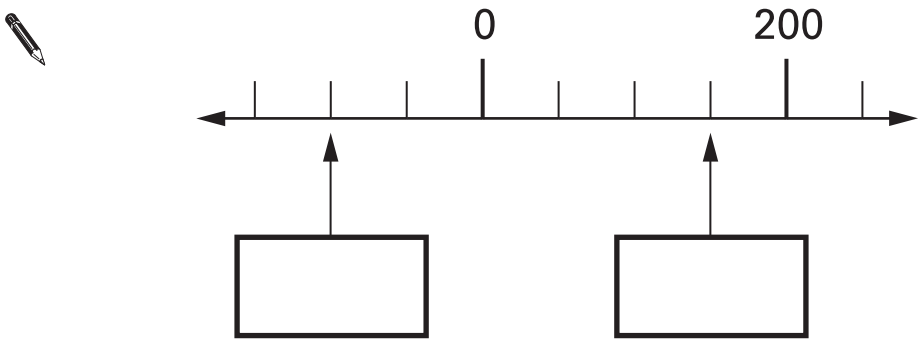
In which direction does the arrow now point?
Put a tick (✓) by the correct answer.



10

11 Here is part of a number line.

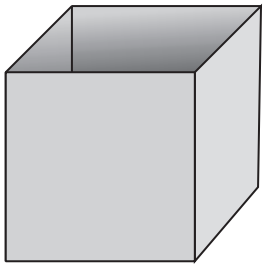
Write the missing numbers in the boxes.



11a

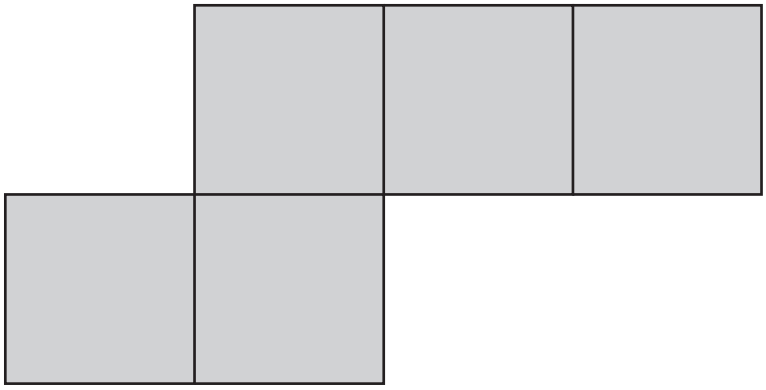
11b

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**.



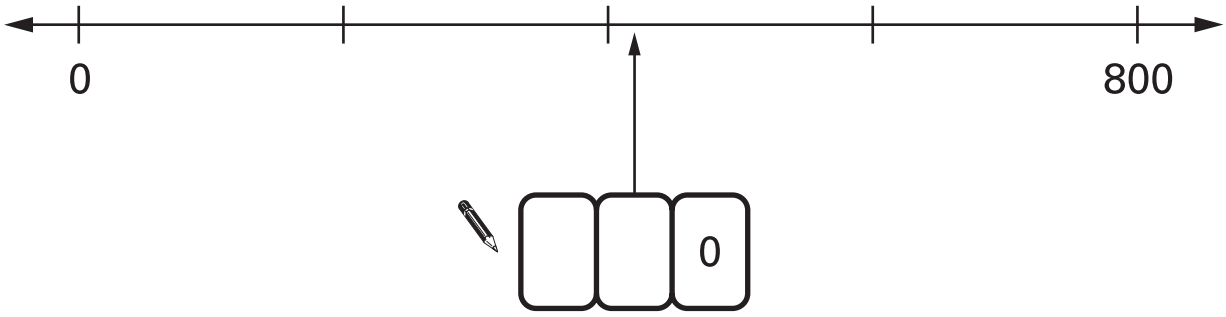
12

Total

13 Here are four digit cards.

2	9	4	7

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



13

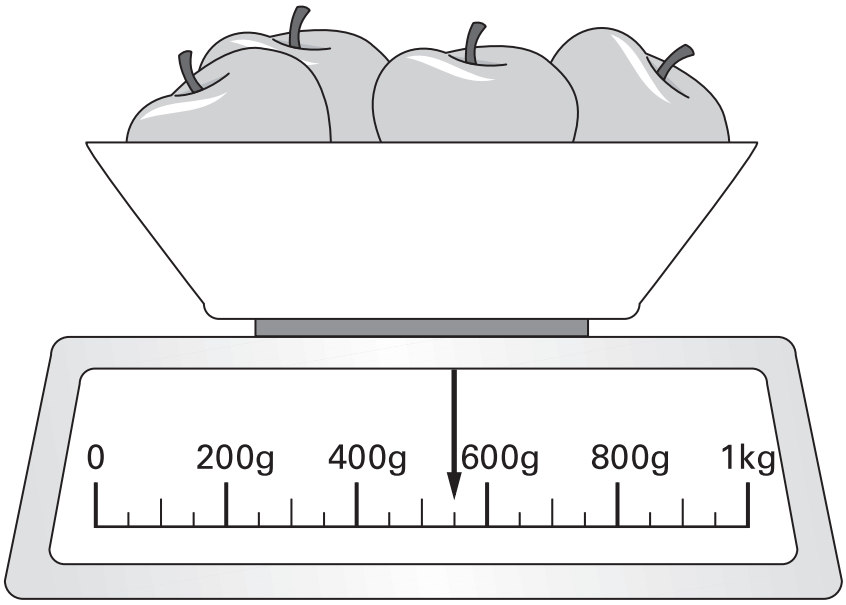
14 Circle the **two** divisions which have an answer of **5 remainder 2**

17 ÷ 5 **17 ÷ 3**

22 ÷ 4 **22 ÷ 5**

14

15 Here are some apples.



What is the total weight of these apples?

g

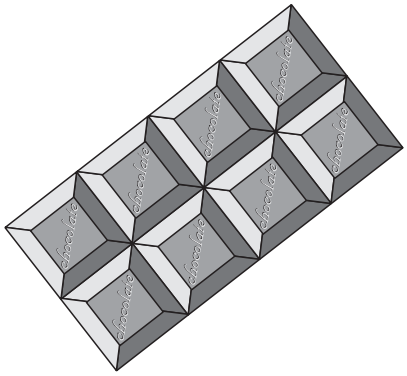
15

Total

16 Calculate **6247 – 2752**

16

17 Here is a chocolate bar.



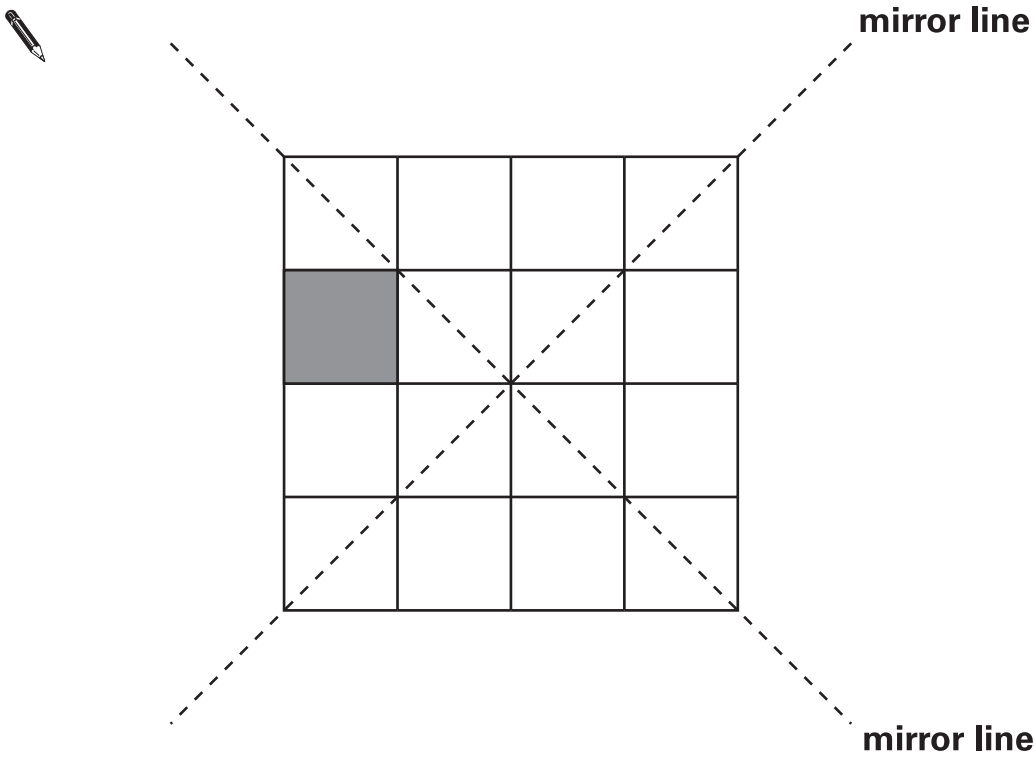
William eats 3 pieces and Amber eats 2 pieces.

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.



18

19 Here are four number cards.

3	12	7	4

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

☐ and ☐

19

Total

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.

.....

.....

.....

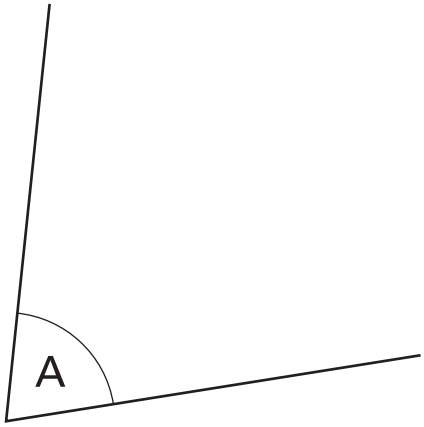
20

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

21

22 Measure **angle A** accurately.

Use a protractor (angle measurer).



angle A = ☐ °

22

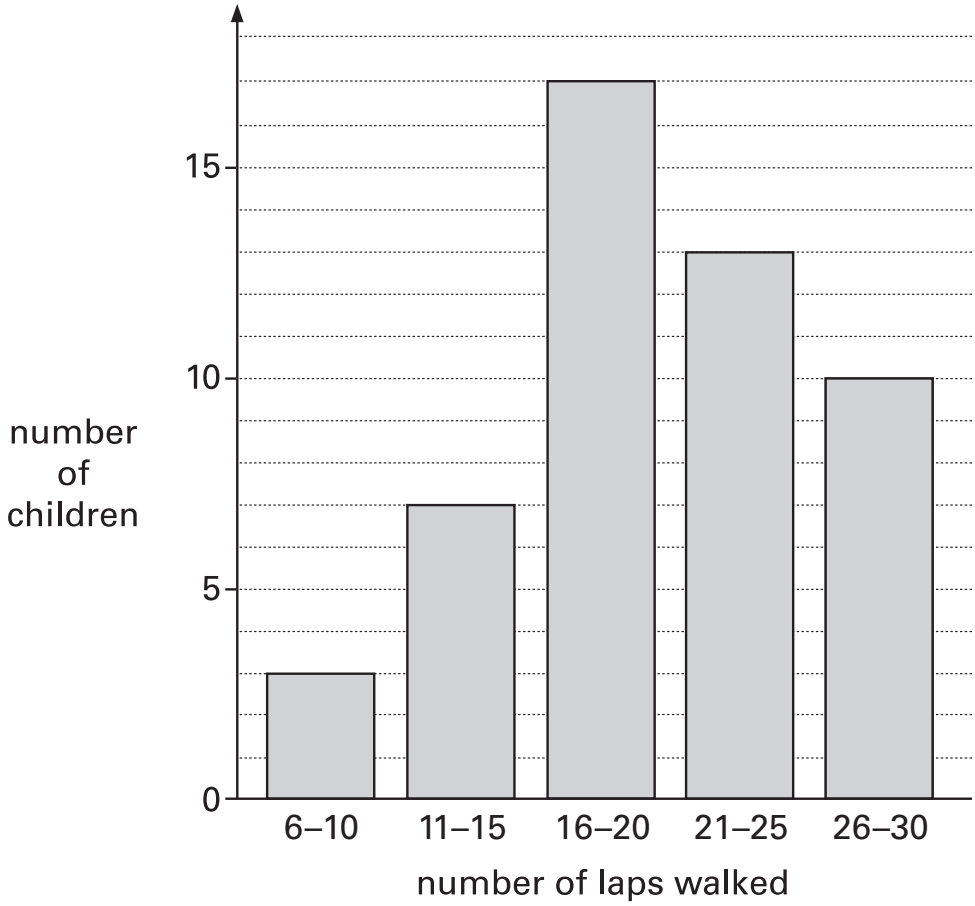
Total

23 Calculate **942 ÷ 6**

23

24 Some children do a sponsored walk.

The graph shows their results.



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

24

25

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

Total

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

largest

3

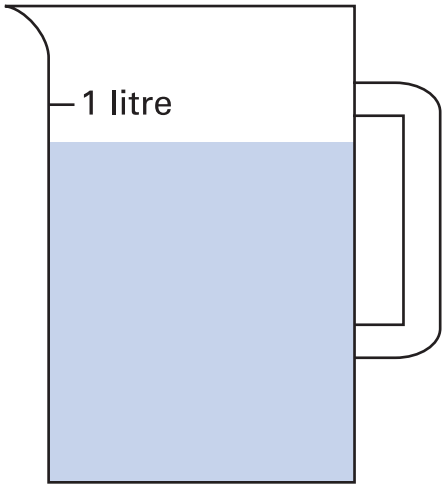
smallest

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 × 32**

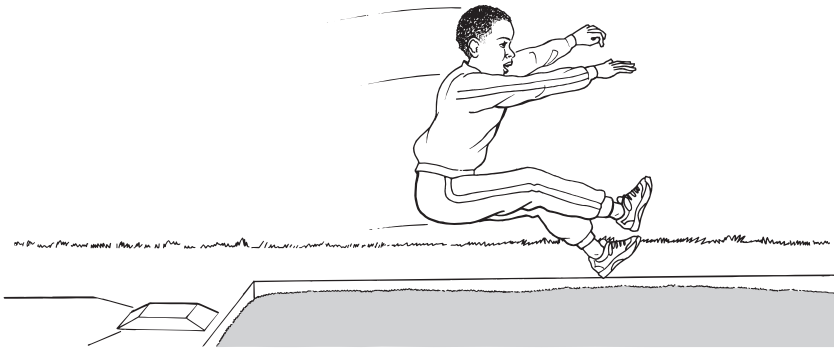
Show your **working**. You may get a mark.

29 i

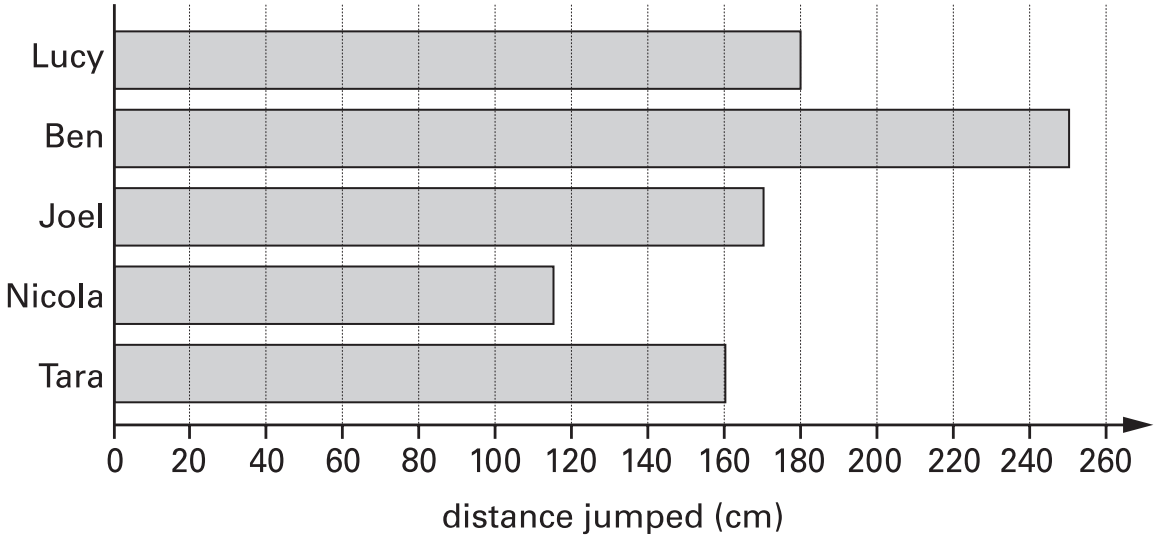
29 ii

Total

30 Some children take part in the long jump.



The graph shows the distances the children jumped.

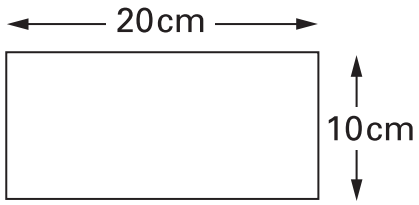


Estimate how much further Lucy jumped than Nicola.

cm

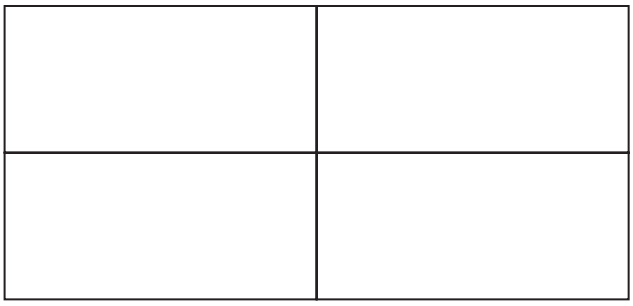
30

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?

cm²

31

Total

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