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Ma

YEAR 5

LEVELS 3–5

TEST A

Mathematics

Test A

Calculator **not** allowed

Name

Date

Total marks

QCA
Guarding standards

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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.

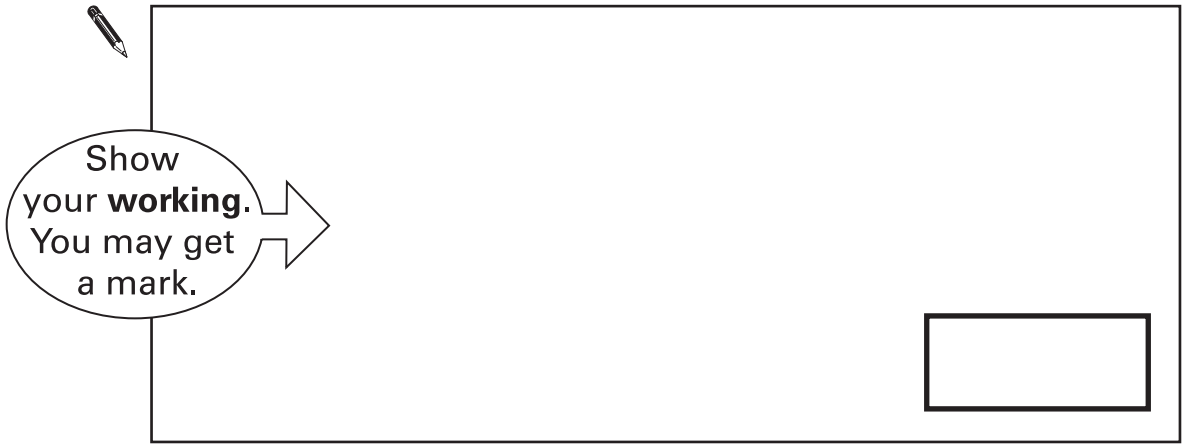
If you finish before the end, **go back and check your work**.

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.

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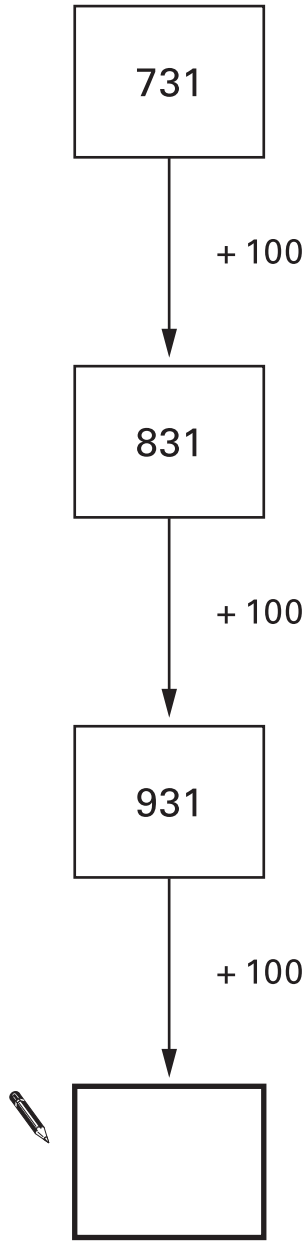
1 Write in the missing number.



1

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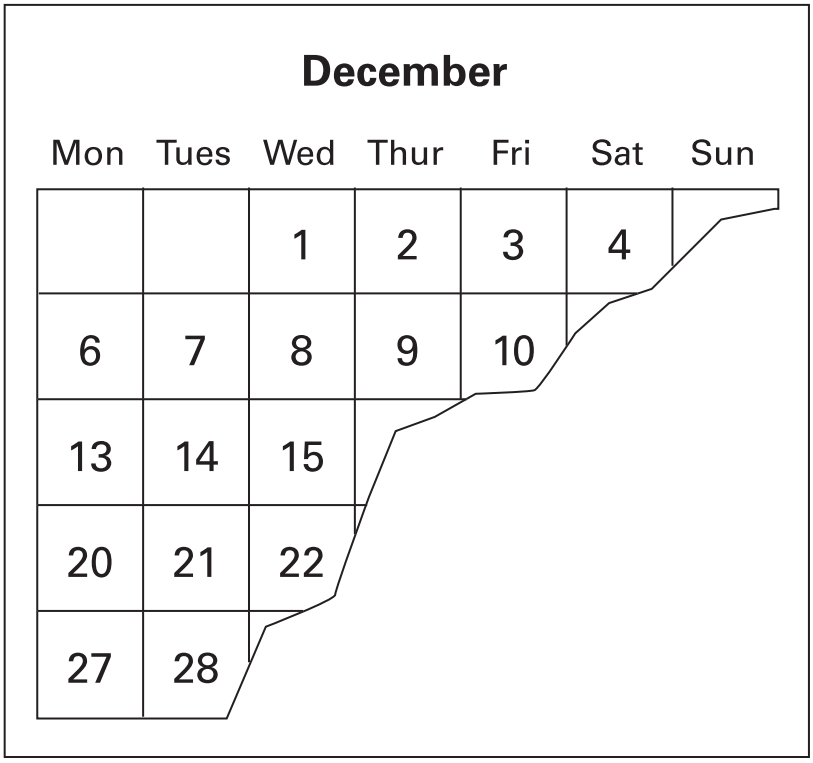
2 Calculate **584 + 79**

2

3 Here is part of a calendar.



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

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

.....

3

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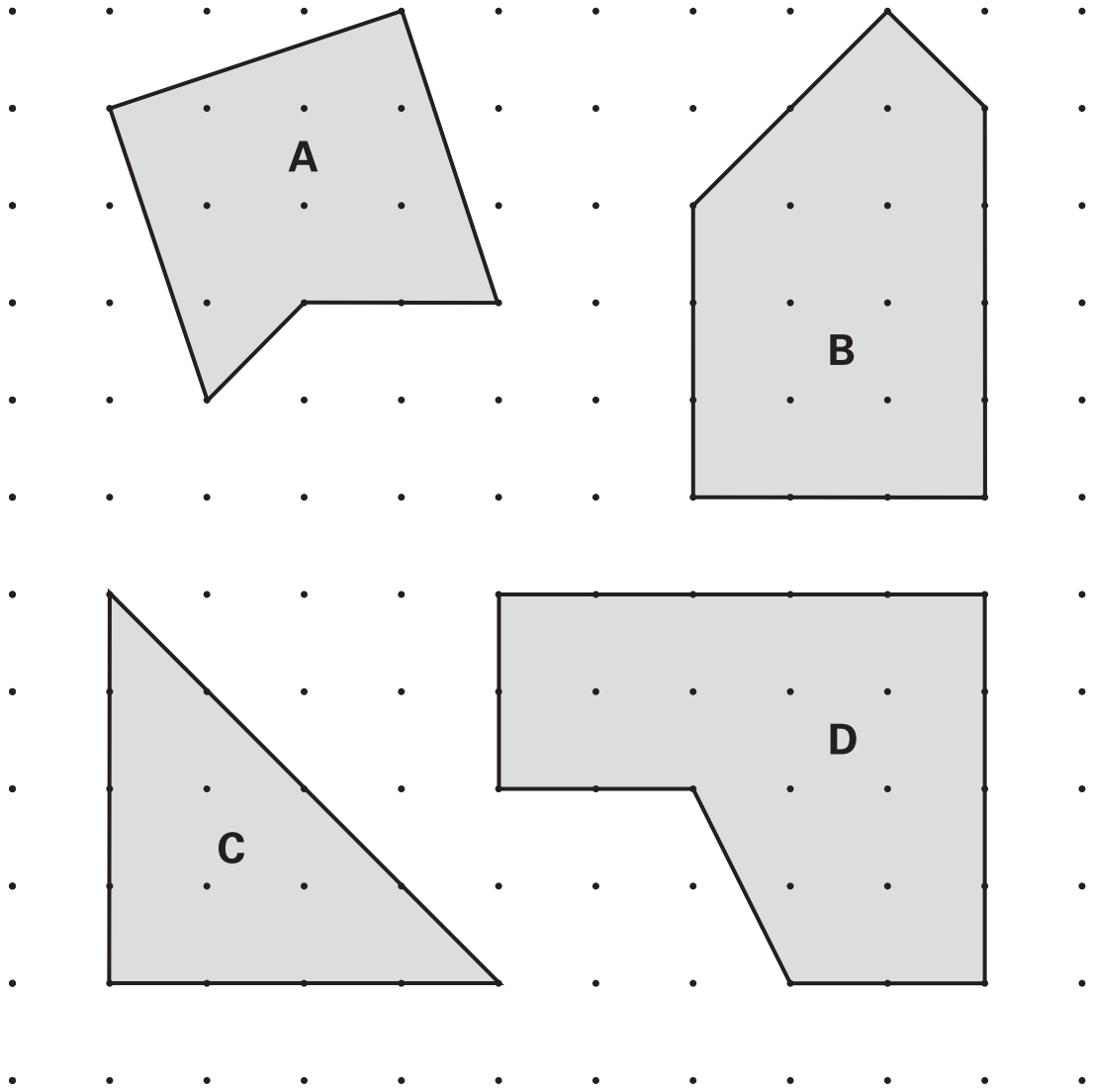
4 Here are four shapes.

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

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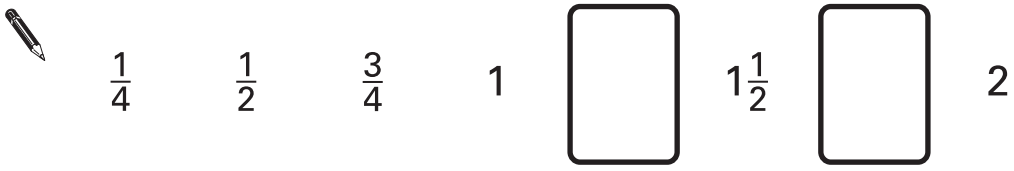
5 Calculate **137 – 65**

5

6 Write the **two** missing numbers in this sequence.



6

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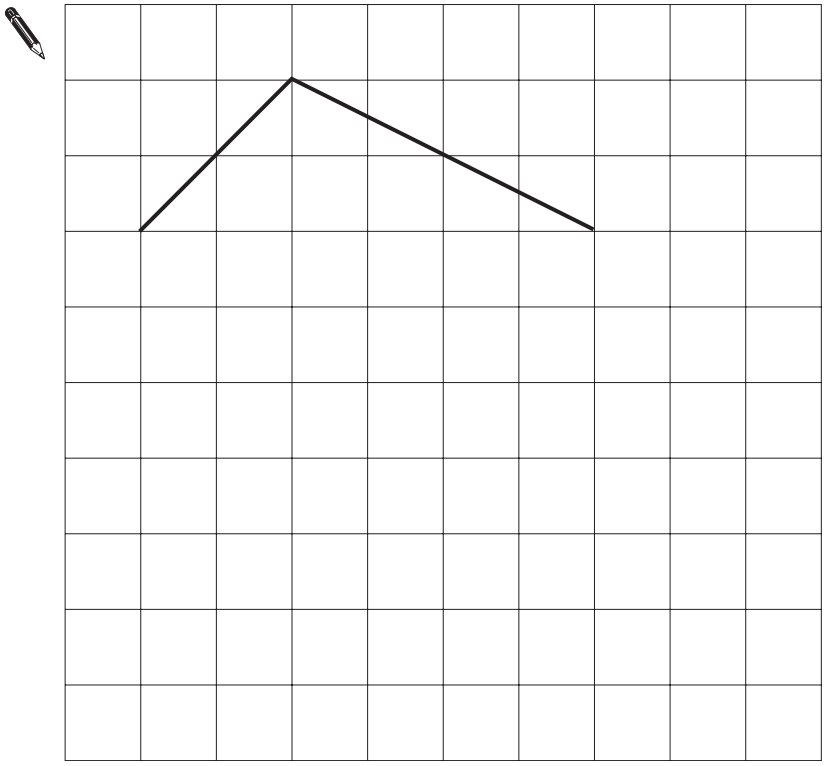
7 The lines drawn on the grid are two sides of a **pentagon**.

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

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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

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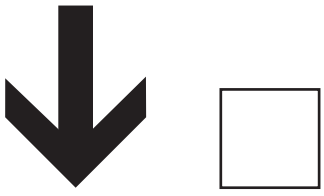
10 Here is an arrow.

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

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



10

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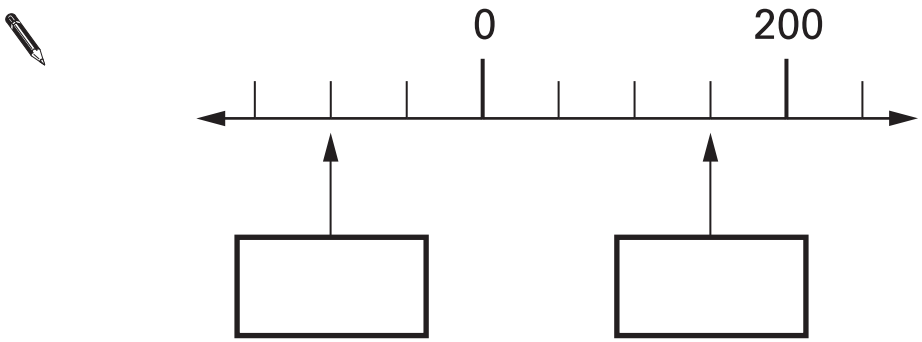
11 Here is part of a number line.

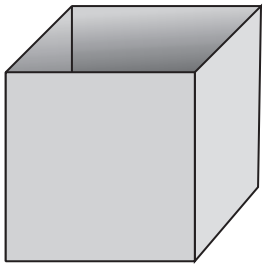
Write the missing numbers in the boxes.



11a

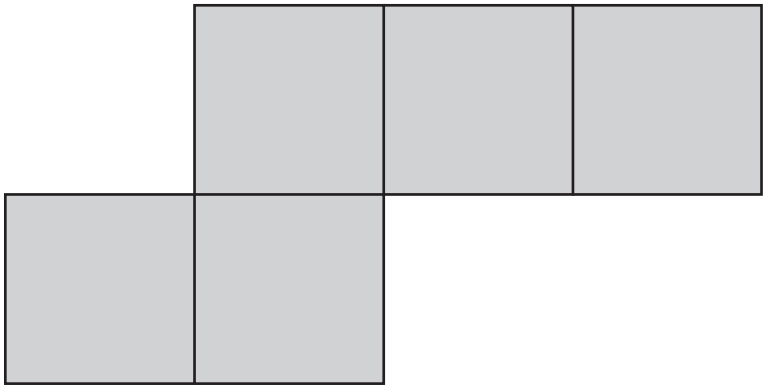
11b

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

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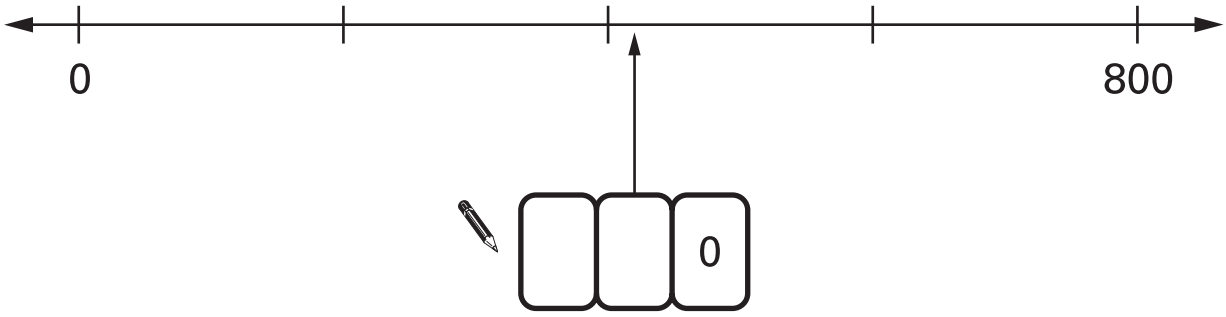
13 Here are four digit cards.

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

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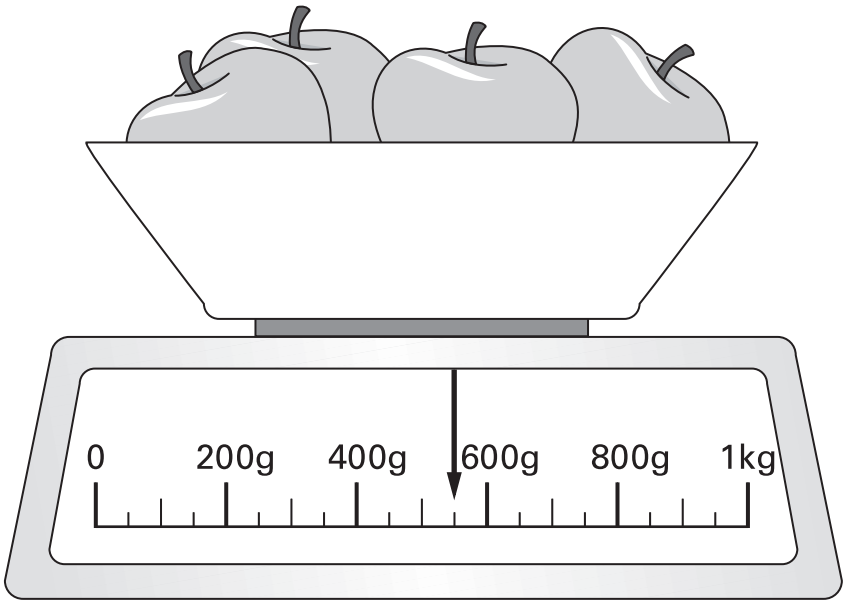
15 Here are some apples.



What is the total weight of these apples?

g

15

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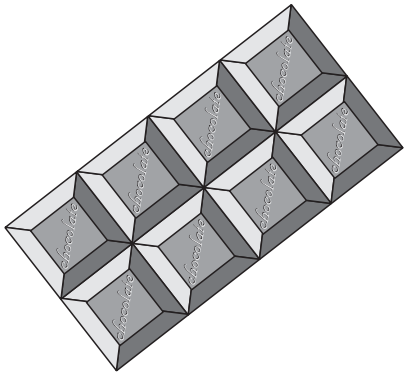
16 Calculate **6247 – 2752**

16

17 Here is a chocolate bar.



William eats 3 pieces and Amber eats 2 pieces.

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

17

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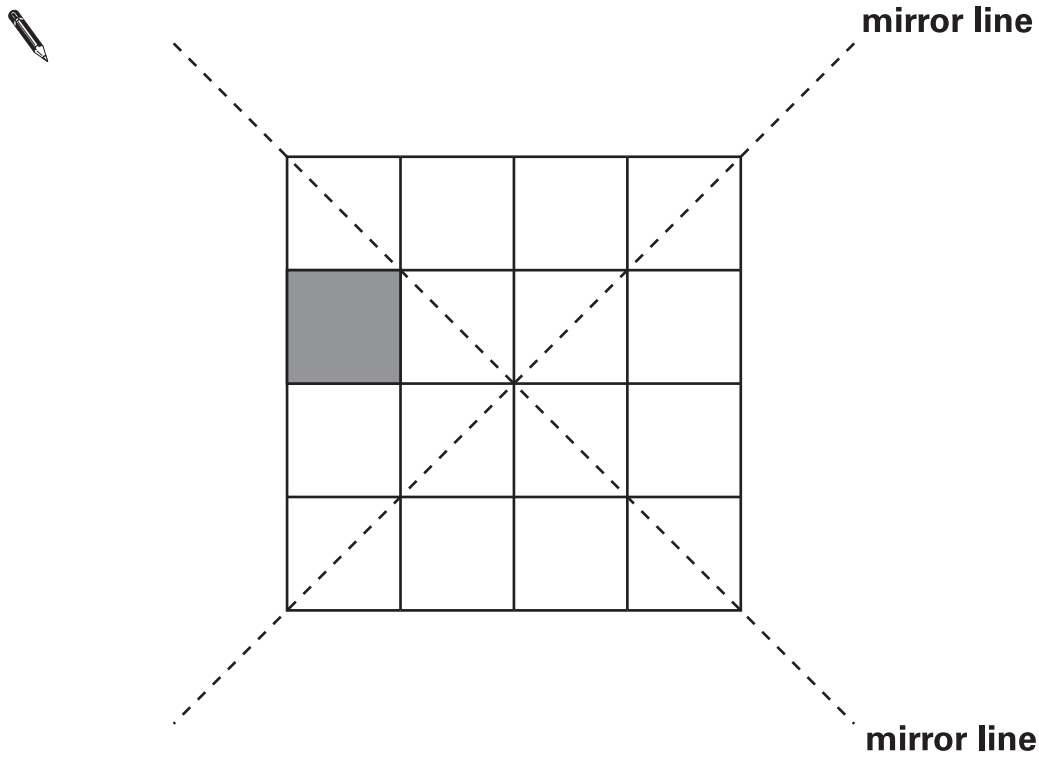
18 Here is a shaded square on a grid.

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

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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

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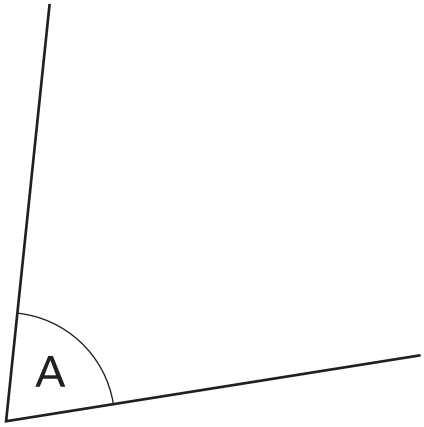
21 Write the **same** number in each box to make this correct.

$\square + \square + \square = 10.5$

21

22 Measure **angle A** accurately.

Use a protractor (angle measurer).



angle A = ☐°

22

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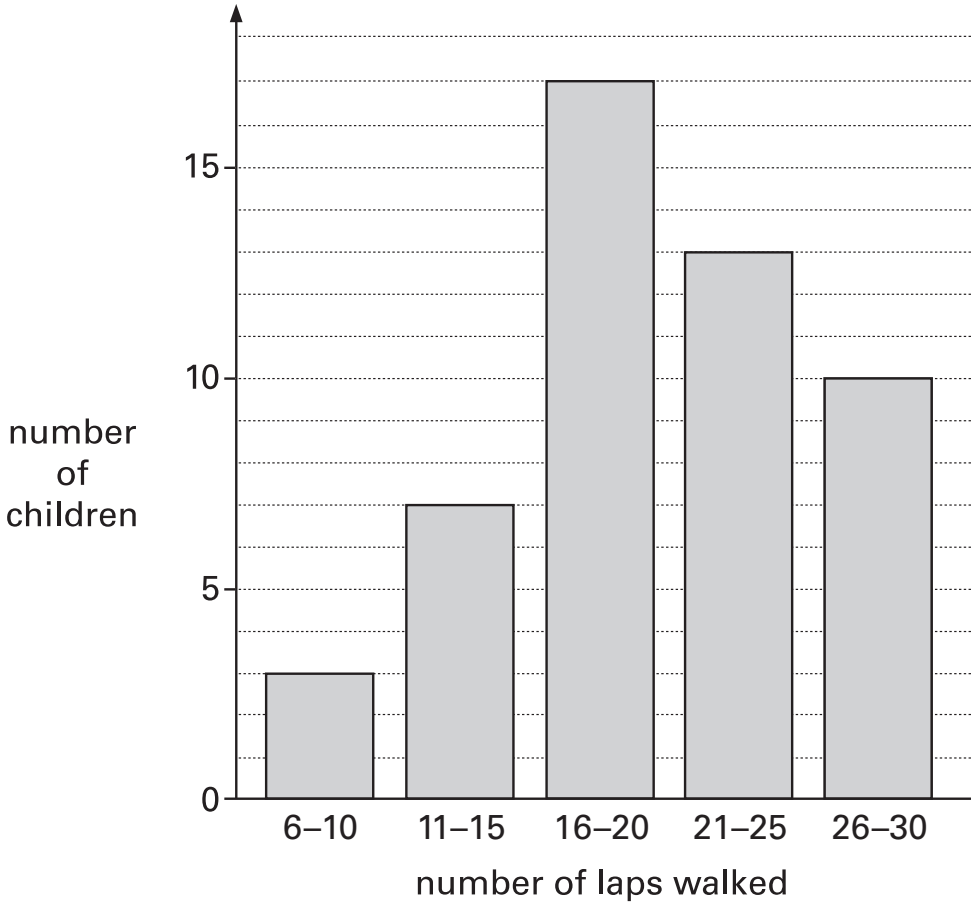
23 Calculate **942 ÷ 6**

23

24 Some children do a sponsored walk.

The graph shows their results.



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

24

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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

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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

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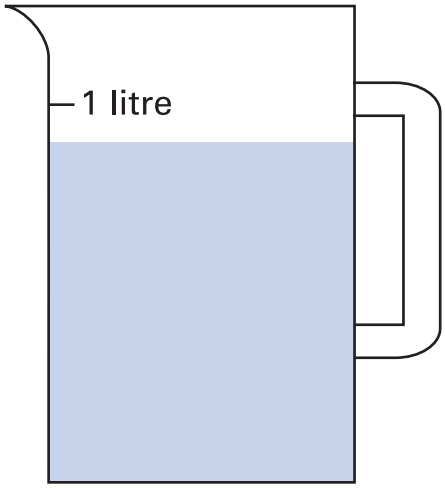
28 Sophie poured some water out of a **litre** jug.

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

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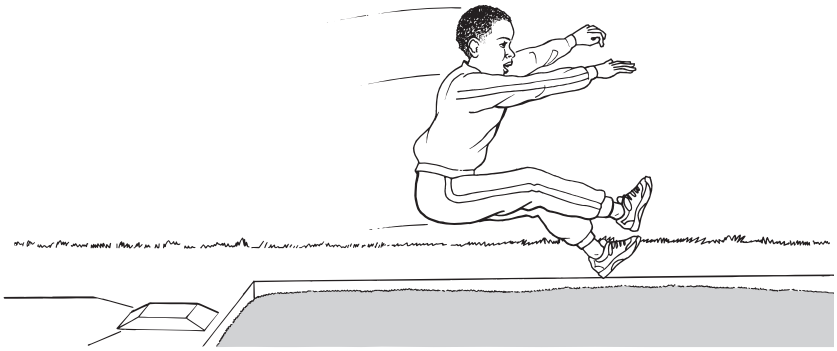
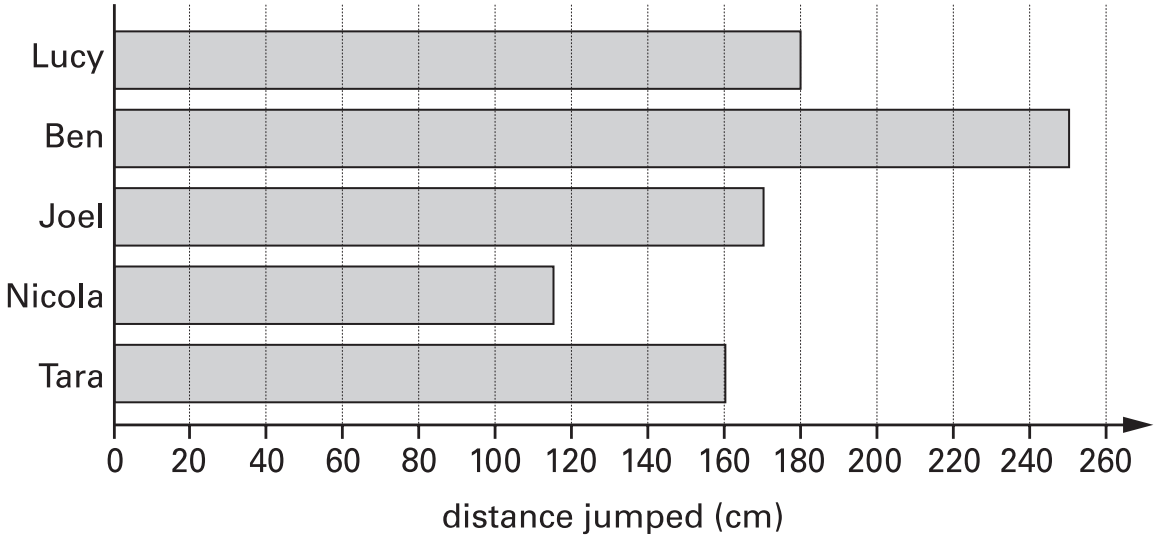
30 Some children take part in the long jump.



The graph shows the distances the children jumped.



Estimate how much further Lucy jumped than Nicola.

cm

30

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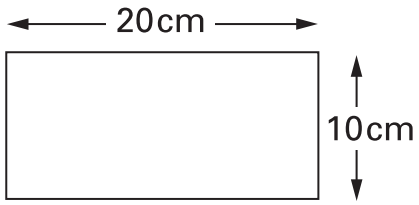
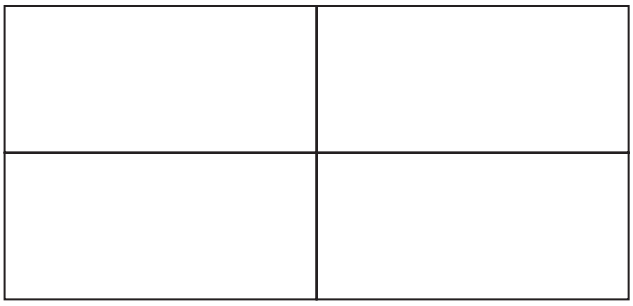
31 Rebecca has rectangular tiles like this.



Not to scale

She makes a larger rectangle using 4 of the tiles.



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

cm²

31

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