MATHEMATICS

YEAR 5

TEST 5A

LEVELS 3–5

CALCULATOR NOT ALLOWED

Total marks

Name	
Class	
School	
Date	

Luke   Emma   Reshma

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:

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

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

---

1   Calculate **546 + 423**

1 mark

1

2   Here is a list of numbers.

1140   1400   1440   1040   1410

Complete these sentences.

The smallest number in the list is

The largest number in the list is

2

1 mark

4

3

Emma buys 5 bunches of flowers.

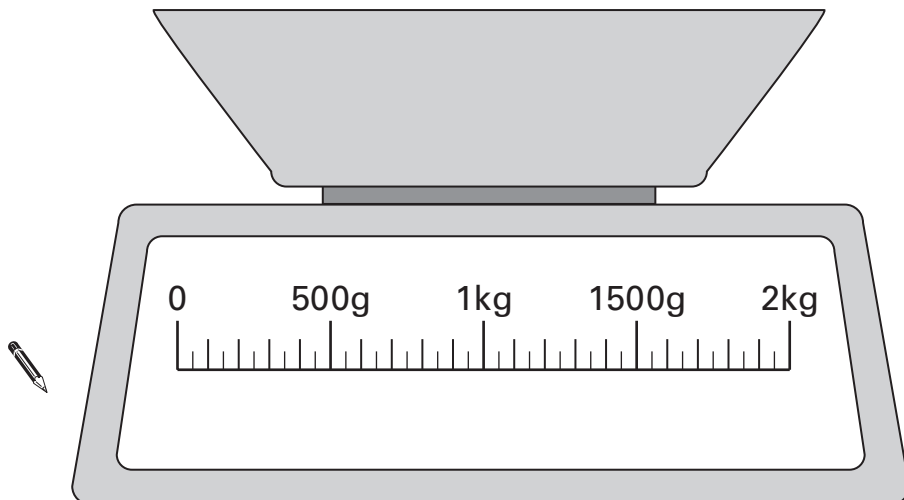Each bunch of flowers costs £1.20

£1.20

How much does Emma pay altogether?

£

3

1 mark

4

Luke needs 200 grams of flour.

Draw an arrow (↕) on the scale to show 200g.

0   500g   1kg   1500g   2kg

4

1 mark

Total out of 4

5

5 There are **three** classes at Park School.

There are **78** children altogether.

Look at the table.

Children at Park School

Class	Number of children
Class 1	23
Class 2	30
Class 3	?

Calculate how many children are in Class 3
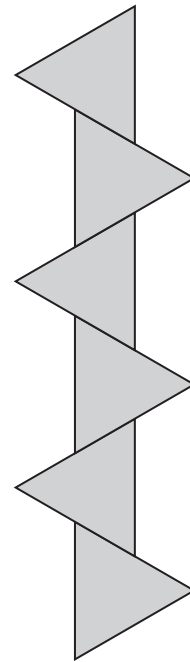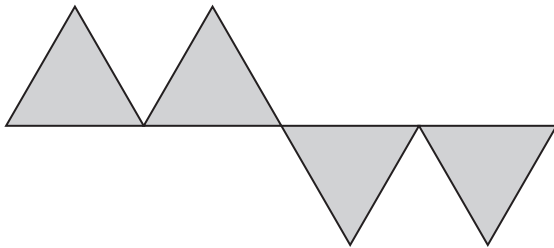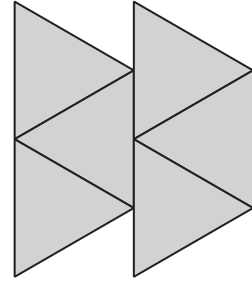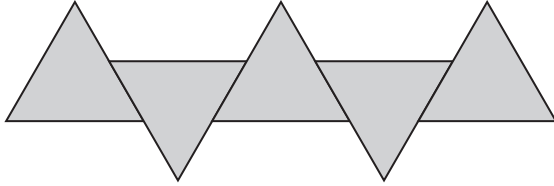
Show your **working**. You may get a mark.

5i

5ii

2 marks

6

6 Here are some patterns made with identical triangles.

Tick (✓) the **two** patterns that have a line of symmetry.

6

1 mark

Total out of 3 _____

7 | Calculate **317 – 180**

8 Here are some pairs of numbers.

For each pair, circle the number that is **nearer to 5**

One has been done for you.

(7.5)	8.5

3.5	9.5

2.5	5.5

4.5	6.5

9 Here is part of a net for a cuboid.

Draw in the missing face to complete the net.

Use a ruler.

1 mark

Total out of 3 _____
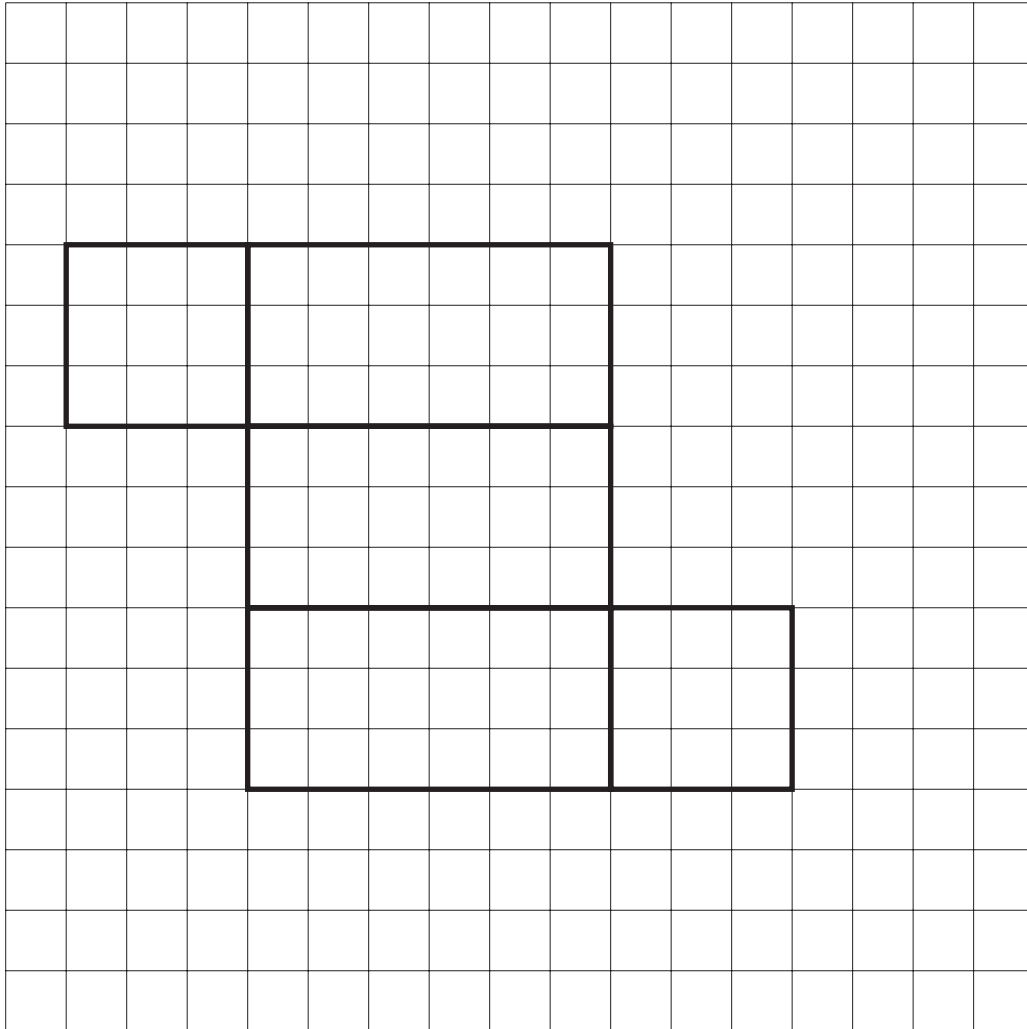
10

Circle **all** the numbers that are **one more than a multiple of 4**

11   17   25   34   40   49

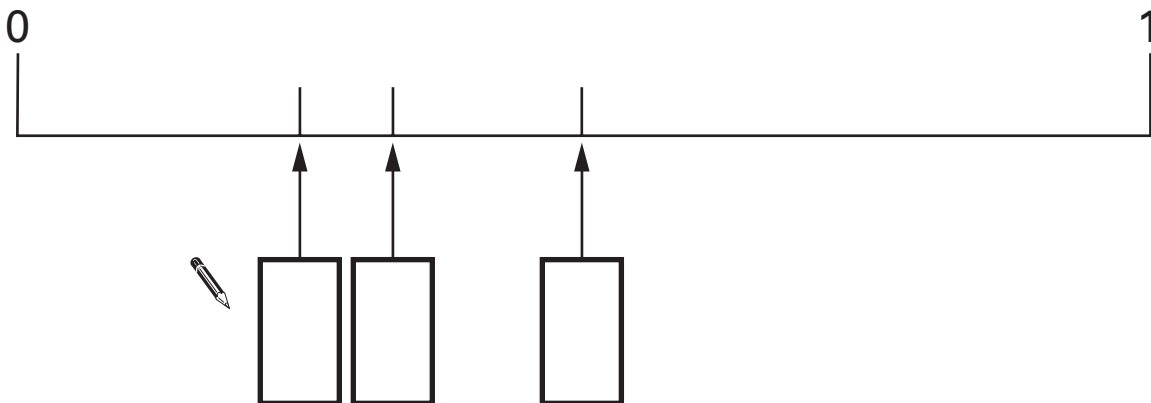**11**

Here are three fractions.

$$\frac{1}{2} \qquad \frac{1}{3} \qquad \frac{1}{4}$$
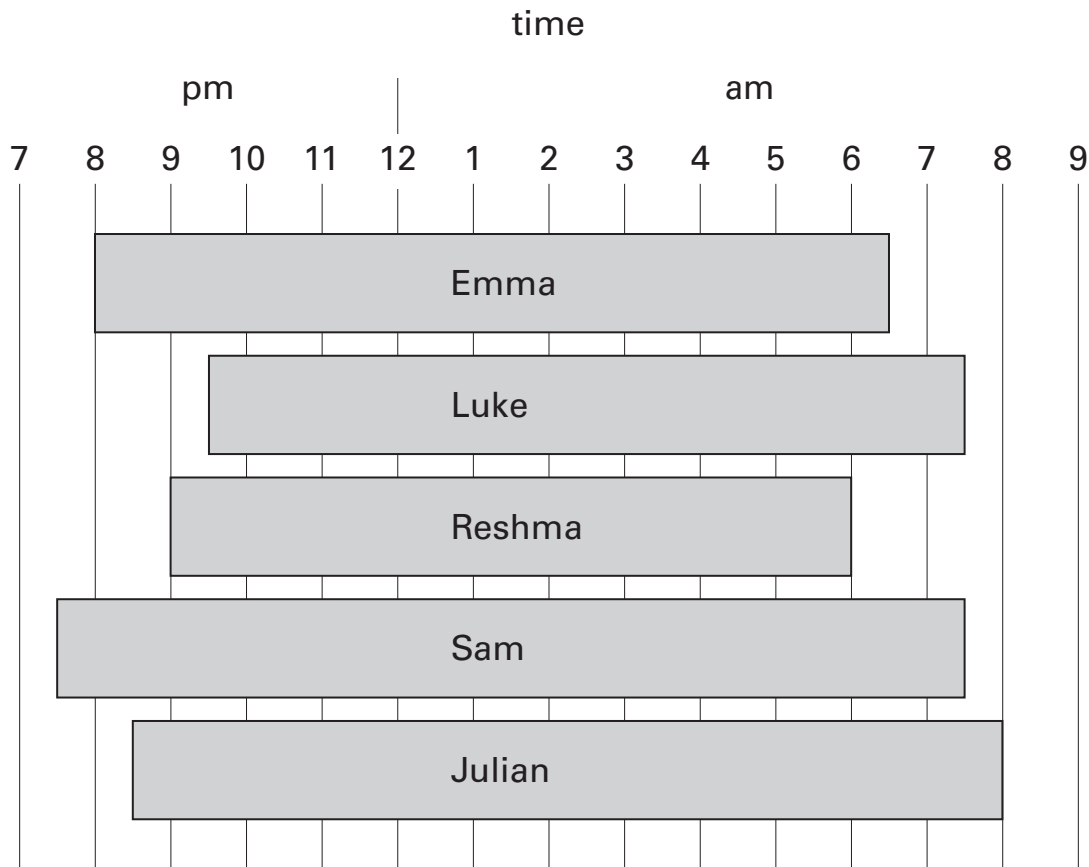
Write the fractions in the correct boxes on the number line.

0   1

12 This chart shows when some children were asleep one night.

time

pm   am

7   8   9   10   11   12   1   2   3   4   5   6   7   8   9

Emma

Luke

Reshma

Sam

Julian

For how many hours was Luke asleep?

12a

1 mark

How many children woke up after 7am?

12b

1 mark

11   Total out of 4 _____

13   Match each fraction to the percentage which has the same value.

One has been done for you.

$\frac{1}{2}$ ——————— 50%

100%

$\frac{3}{4}$

10%

$\frac{1}{10}$

75%

30%

$\frac{10}{10}$

40%

13

1 mark

12
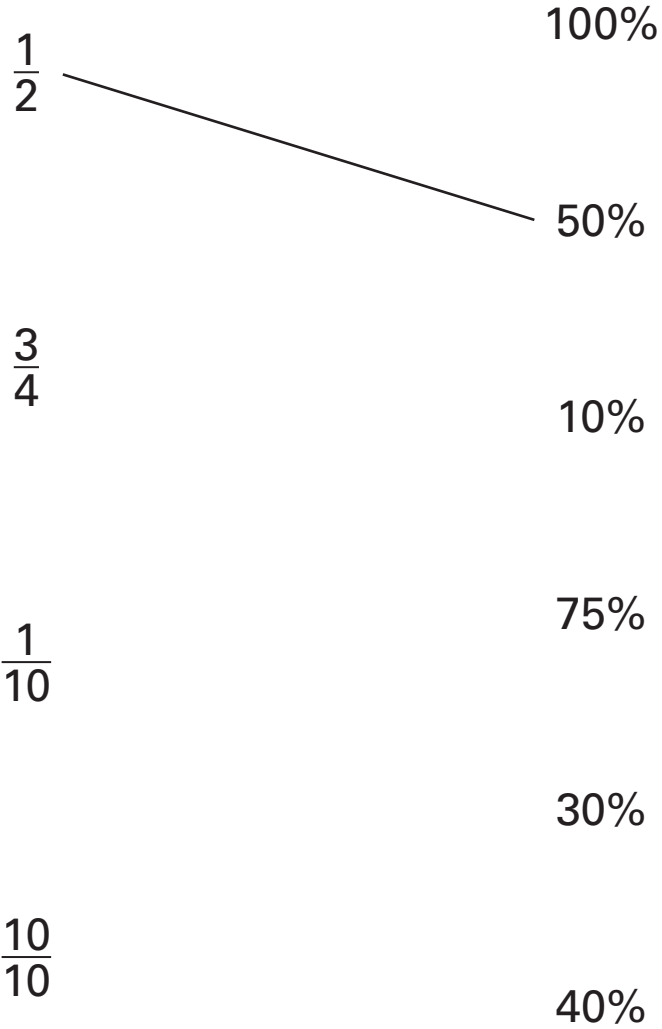
14 Reshma buys 4 packets of balloons.

She pays with a £5 note and gets 40p change.

How much does **one packet** of balloons cost?
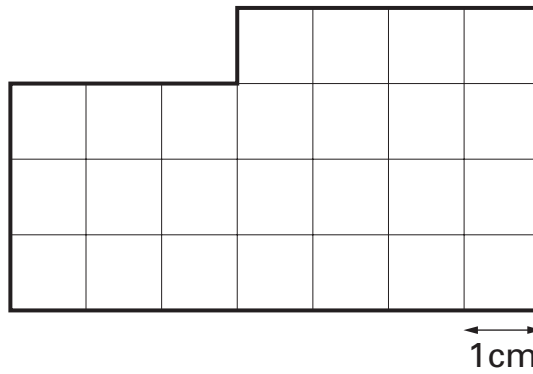
Show your **working**. You may get a mark.

15 Here is a shape divided into centimetre squares.

Actual size

1cm
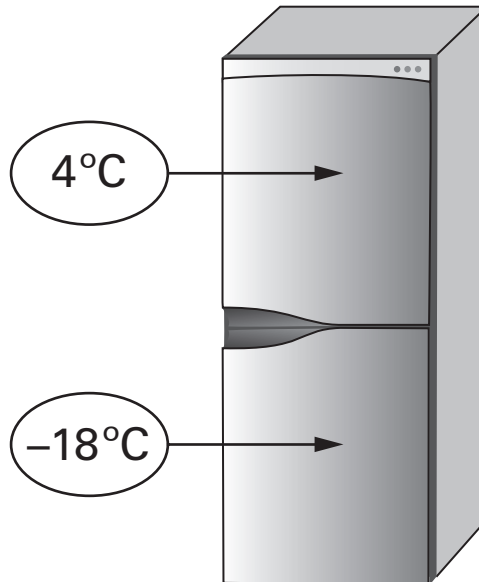
What is the **perimeter** of the shape?

cm

16 Calculate **222 ÷ 3**

16

1 mark

17 This is a fridge-freezer.

The temperature in the fridge is 4°C.

4°C

The temperature in the freezer is –18°C.

–18°C

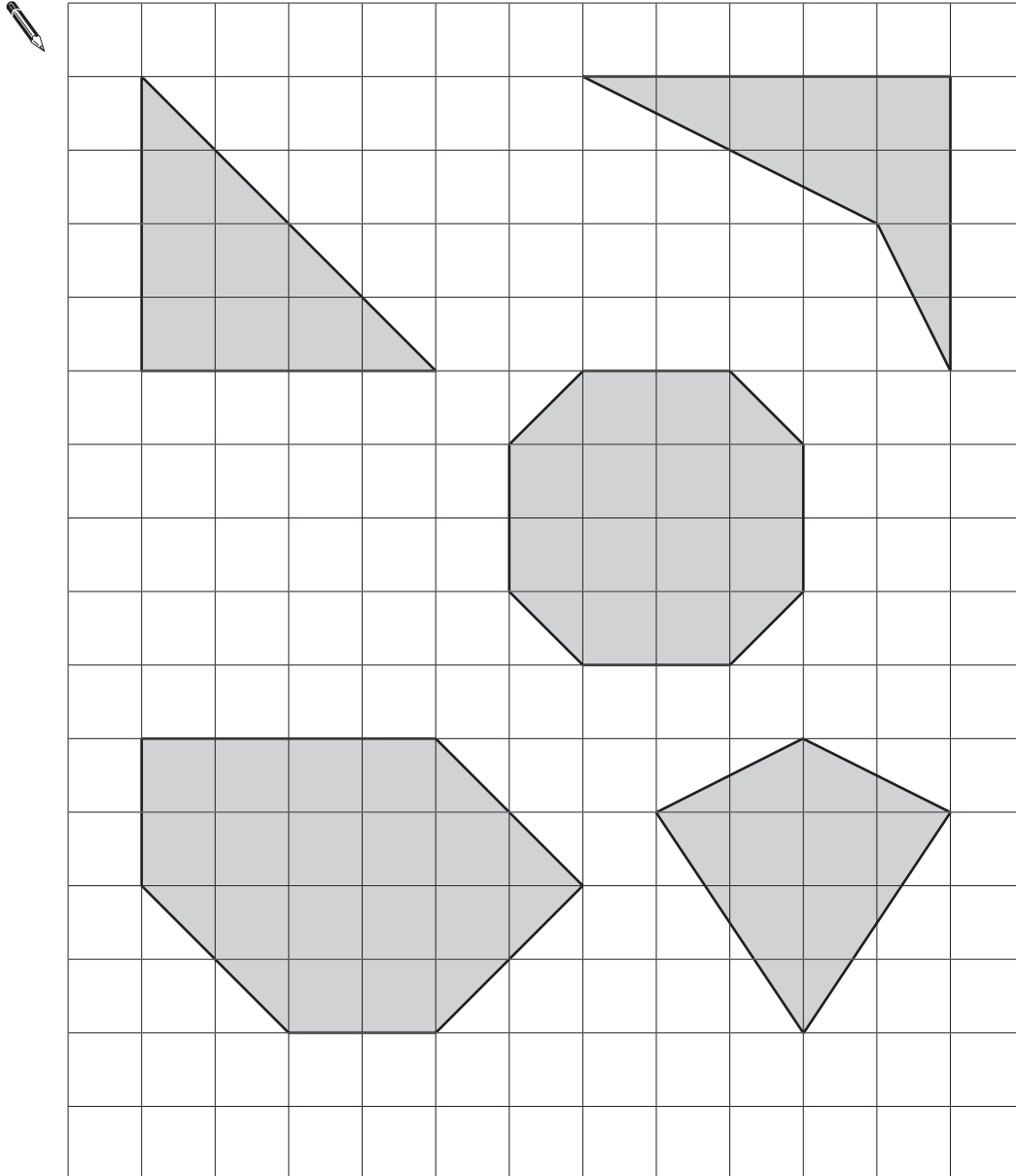What is the difference in temperature between the fridge and the freezer?

degrees

17

1 mark

18 Here are some shapes on a square grid.

One of the shapes has two right angles.

Tick (✓) the shape.

18

1 mark

---

15 Total out of 3 _____

19 Match each length to the correct box on the right.

One has been done for you.

60 mm

600 cm

6 km

6 m

6 cm

600 m

60 m

6000 m

19

1 mark

20 This graph shows the temperature on a day in July.

temperature in °C

time
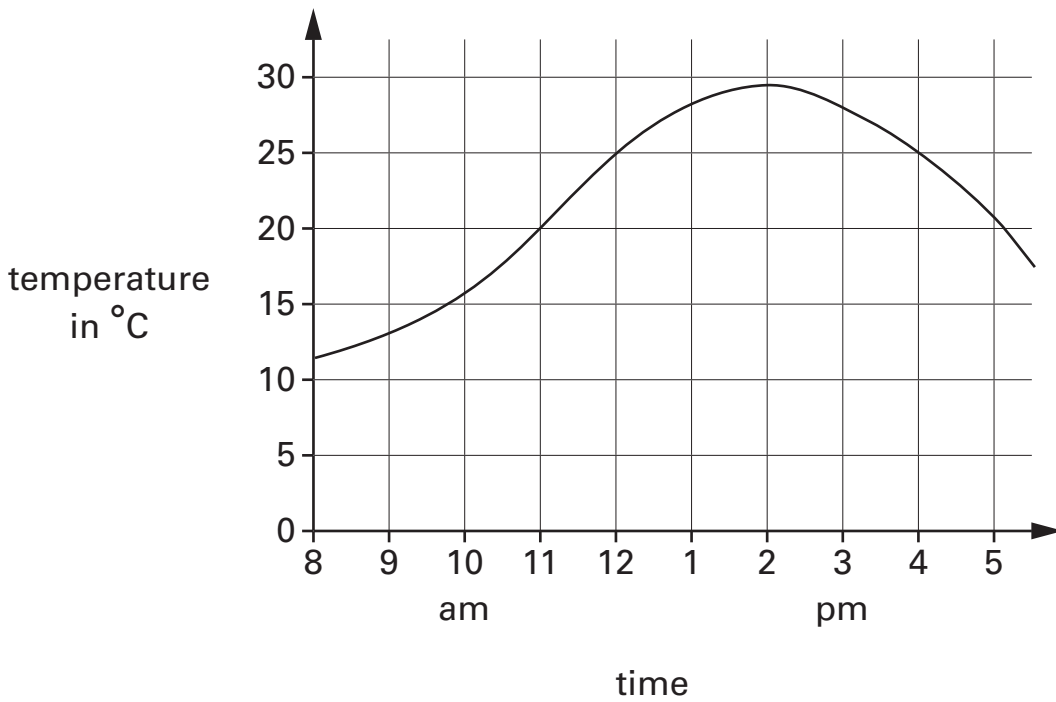
What is the temperature at 2pm?

°C

20a

1 mark

Look at the graph.

For how many hours is the temperature **above 25°C**?

hours

20b

1 mark

21 Here is the calendar for the August when Luke was on holiday.

August					
Monday	July 29	5	12	19	26
Tuesday	July 30	6	13	20	27
Wednesday	July 31	7	14	21	28
Thursday	1	8	15	22	29
Friday	2	9	16	23	30
Saturday	3	10	17	24	31
Sunday	4	11	18	25	Sept 1

Luke came back from holiday on August 4th.

He went on holiday two weeks **before** that date.

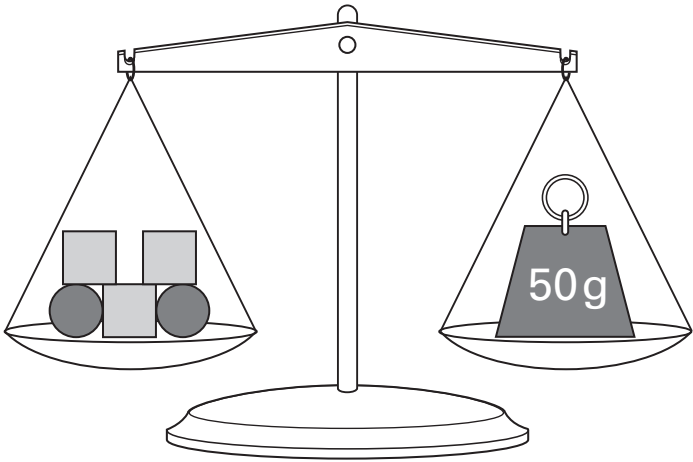On what **date** did Luke go on holiday?

July

21

1 mark

18

22 Calculate **4.51 + 11.6**

22

1 mark

23

Emma uses 5 shapes to balance a 50 g weight on a scale.

Each ☐ weighs 12 g.

How much does each ⬤ weigh?

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

each ⬤ weighs ☐ **g**

23i

23ii

2 marks

24 Here is a square drawn on a coordinate grid.

y

(3, 10)   (9, 10)
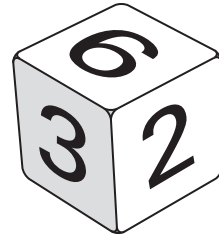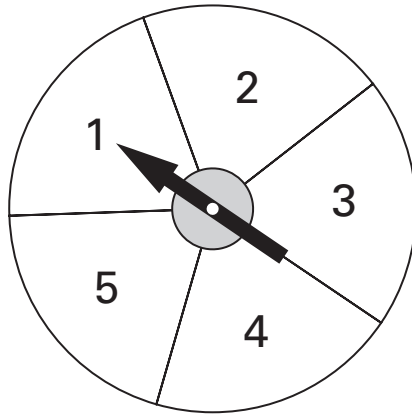
(3, 4)   (9, 4)

x
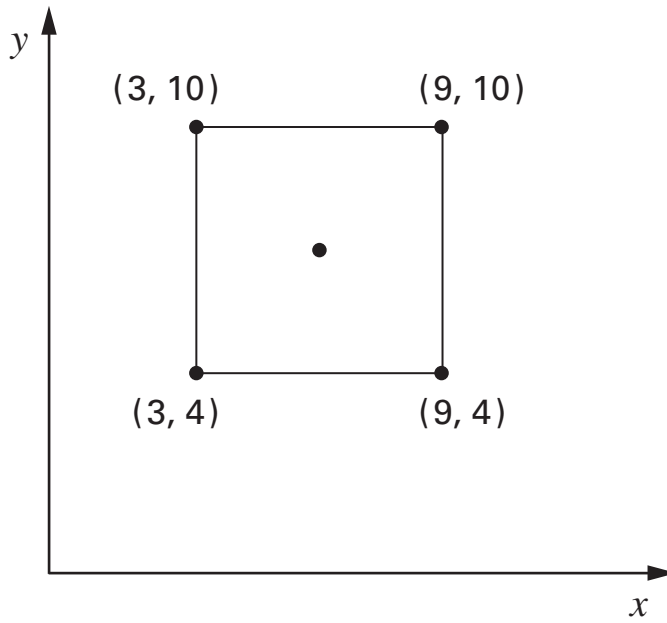
What are the coordinates of the point at the **centre** of the square?

(,   )

24

1 mark

25

A spinner has the numbers 1 to 5 on it.

A dice has the numbers 1 to 6 on it.

The dice is rolled and the pointer is spun.

Emma says,

> *'You are more likely to get an odd number on the spinner than on the dice'.*

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

✎ Yes / No

Explain how you know.

✎

25

1 mark

21   Total out of 2 _____

26 Calculate **56 × 24**

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

26i

26ii

2 marks

27 The numbers in this sequence increase by equal amounts each time.

Write in the missing numbers.

$2\frac{1}{2}$ [ ] $13\frac{1}{2}$ [ ] $24\frac{1}{2}$ [ ]
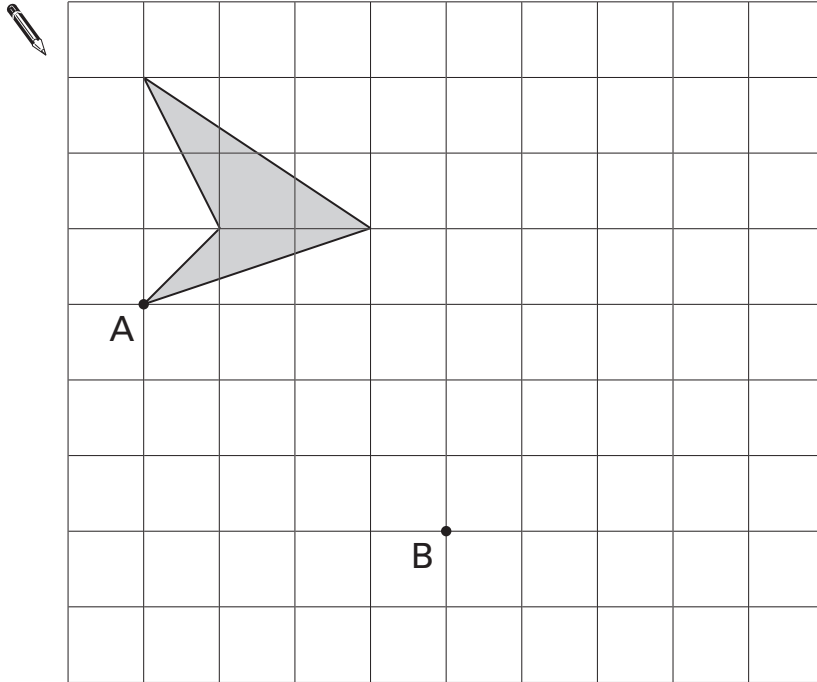
27i

27ii

2 marks

28 Here is a shaded shape on a square grid.

Reshma **translates** the shape from point A to point B.

Draw the new position of the shape after the translation.

28

1 mark

Total out of 5 _____

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