

# MATHEMATICS

YEAR 5

TEST 5A

LEVELS  
**3–5**

**CALCULATOR NOT ALLOWED**

Total marks



Name

Class

School

Date

10

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

11

17

25

34

40

49

10

1 mark

11

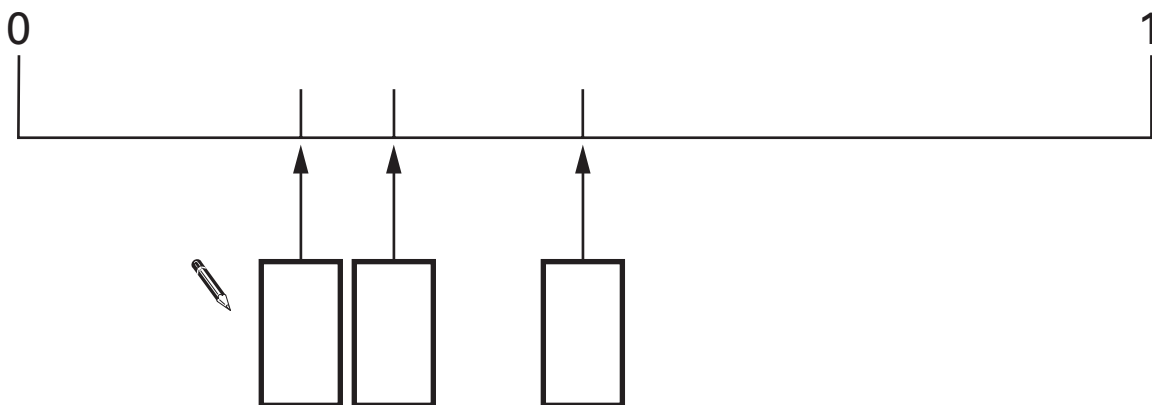
Here are three fractions.

$$\frac{1}{2}$$

$$\frac{1}{3}$$

$$\frac{1}{4}$$

Write the fractions in the correct boxes on the number line.

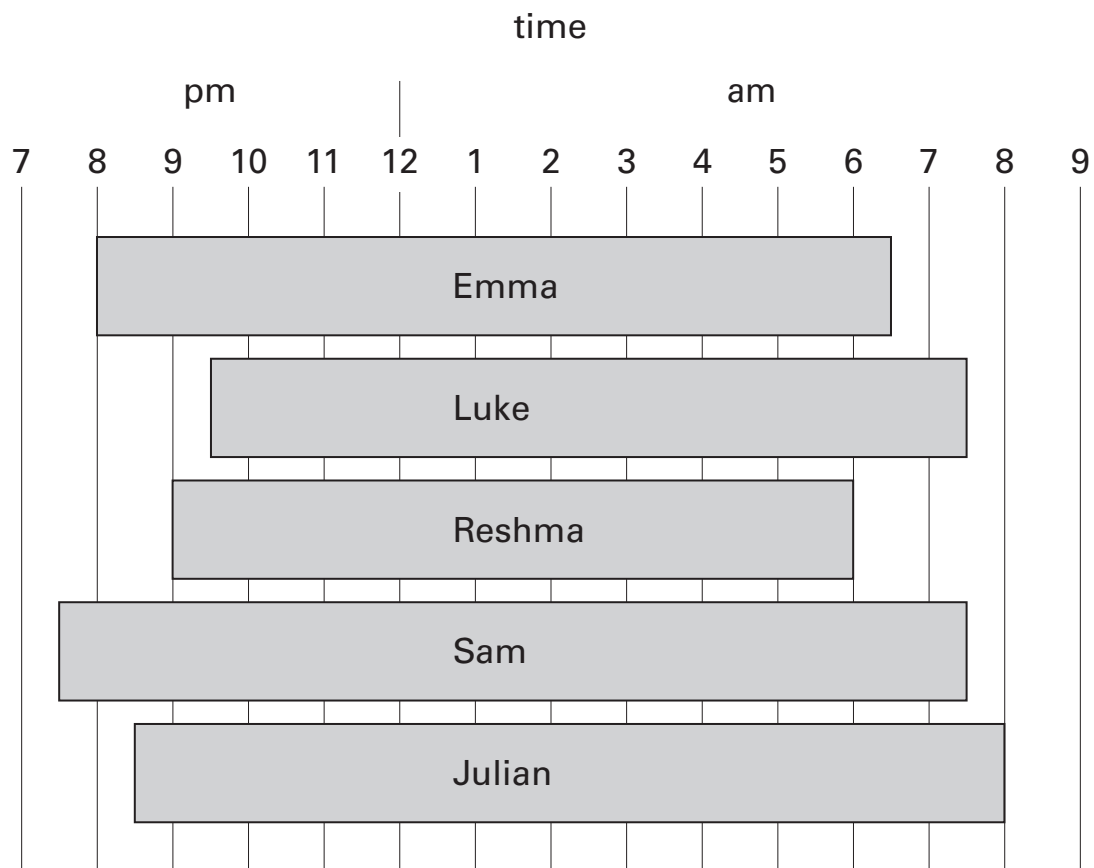


11

1 mark

12

This chart shows when some children were asleep one night.



For how many hours was Luke asleep?



12a

1 mark

How many children woke up after 7am?



12b

1 mark

13

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

One has been done for you.



$$\frac{1}{2}$$

100%

50%

$$\frac{3}{4}$$

10%

$$\frac{1}{10}$$

75%

30%

$$\frac{10}{10}$$

40%

13

1 mark

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.



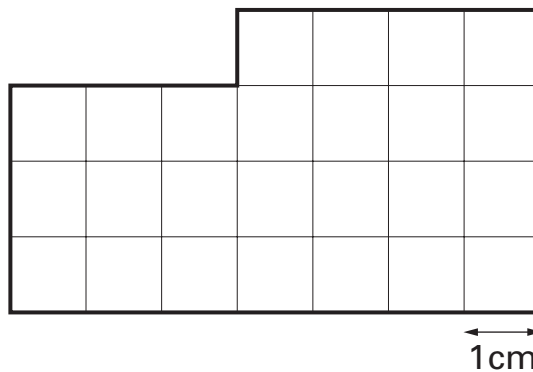
14i

14ii

2 marks

15

Here is a shape divided into centimetre squares.



**Actual size**

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



15

1 mark

16

Calculate  $222 \div 3$ 

16

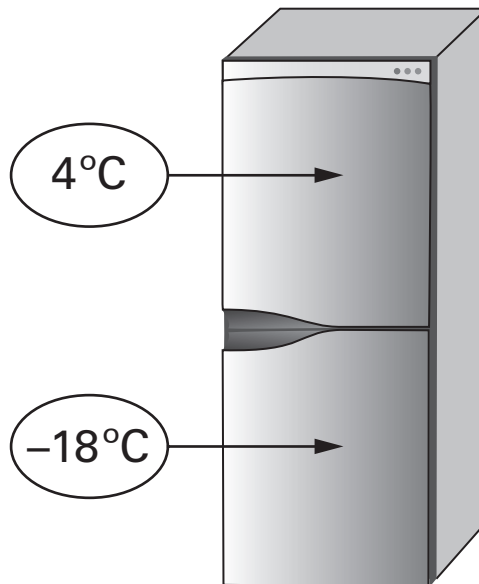
1 mark

17

This is a fridge-freezer.

The temperature in the  
fridge is  $4^{\circ}\text{C}$ .

The temperature in the  
freezer is  $-18^{\circ}\text{C}$ .



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



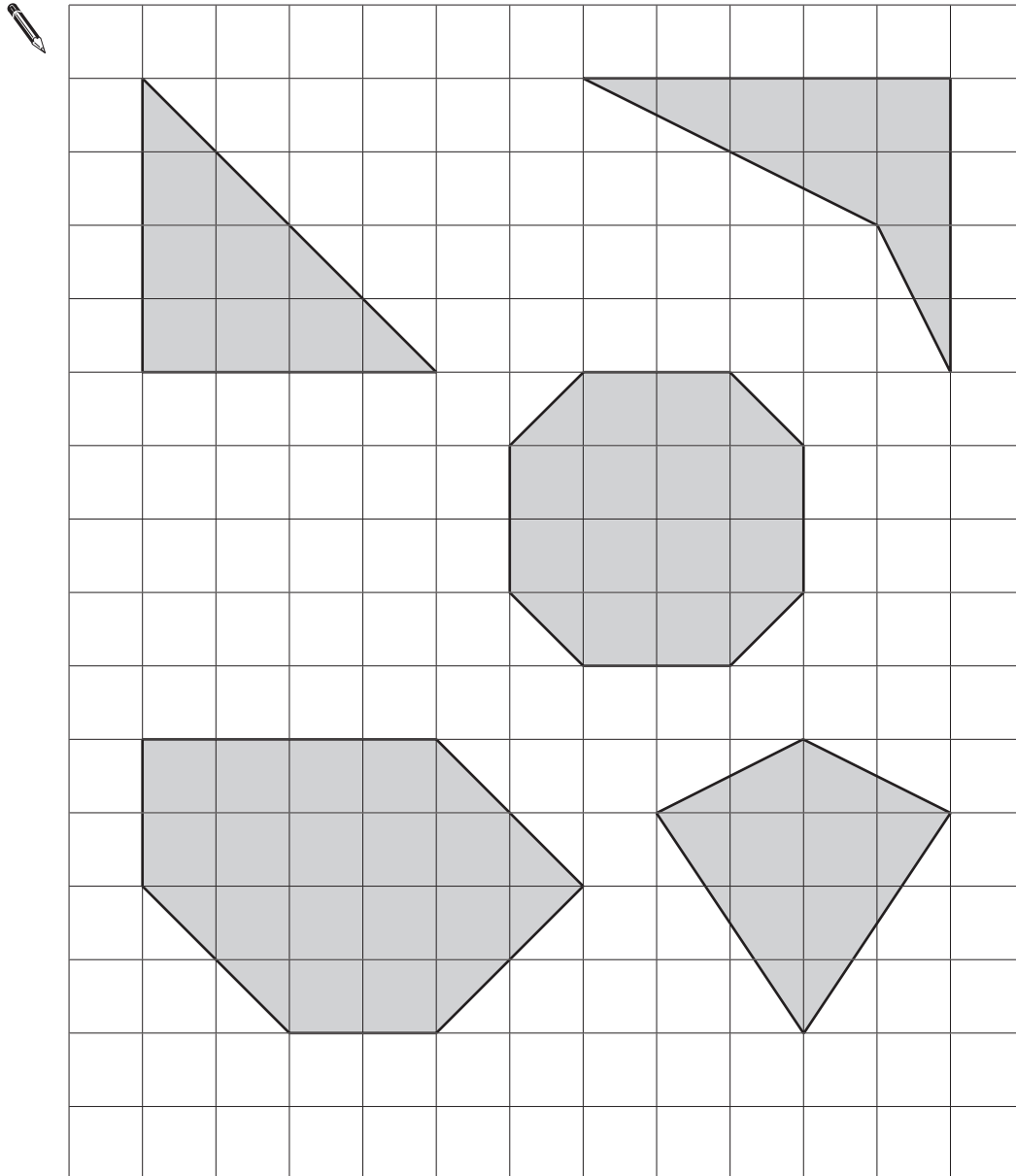
17

1 mark

Here are some shapes on a square grid.

**One** of the shapes has two right angles.

Tick (✓) the shape.



19

Match each length to the correct box on the right.

One has been done for you.



60 mm

6 m

6 cm

600 cm

600 m

60 m

6 km

6000 m

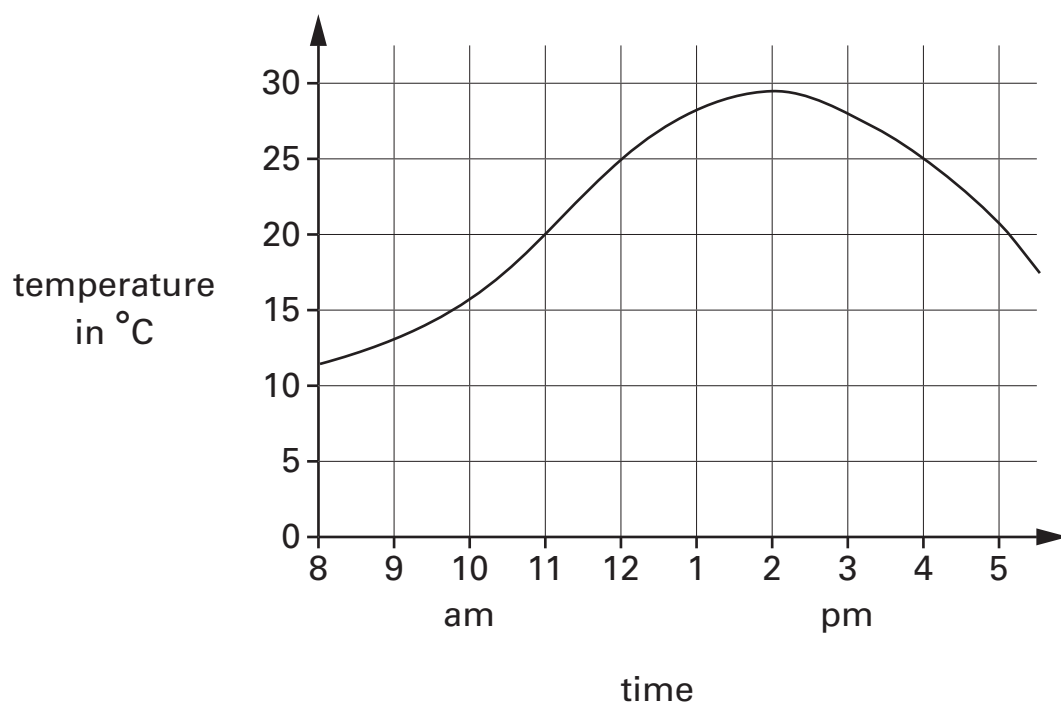
19

1 mark



20

This graph shows the temperature on a day in July.



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

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

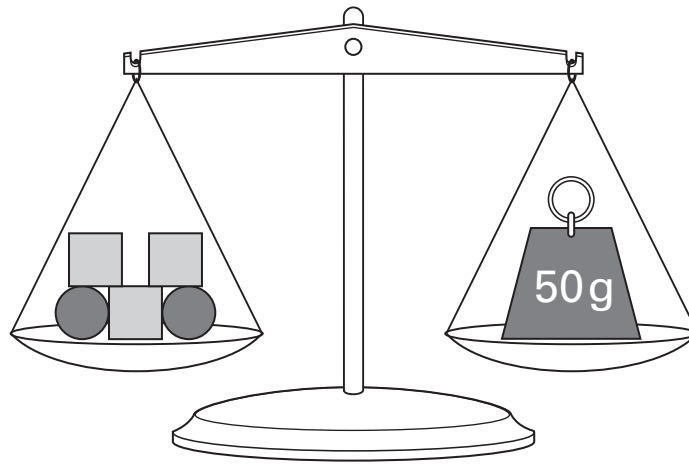
22

Calculate  $4.51 + 11.6$ 


22


1 mark

23



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

Each  weighs 12g.

How much does each  weigh?



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

each  weighs

**g**

23i

23ii

2 marks



Luke



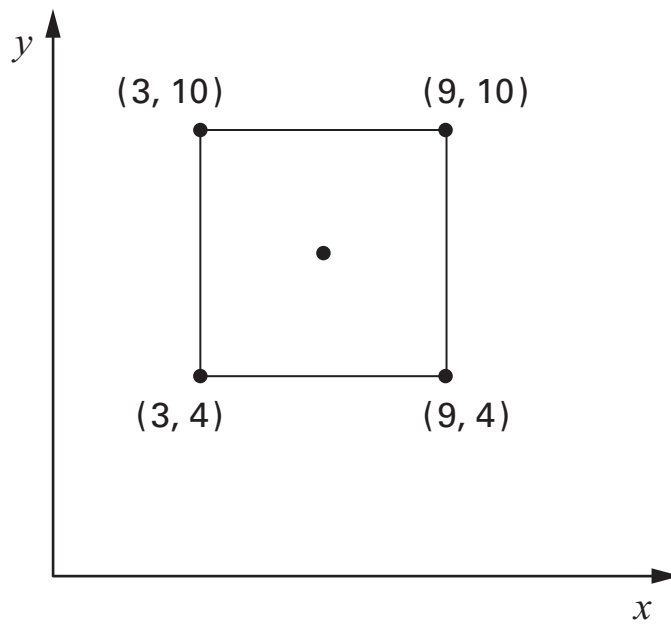
Emma



Reshma

24

Here is a square drawn on a coordinate grid.

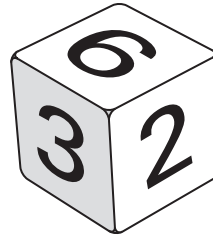
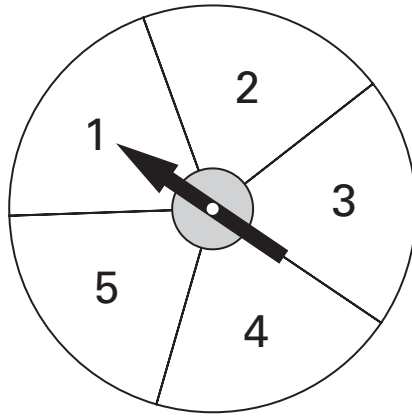


What are the coordinates of the point at the **centre** of the square?



24

1 mark



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.



**26**Calculate  **$56 \times 24$** 

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

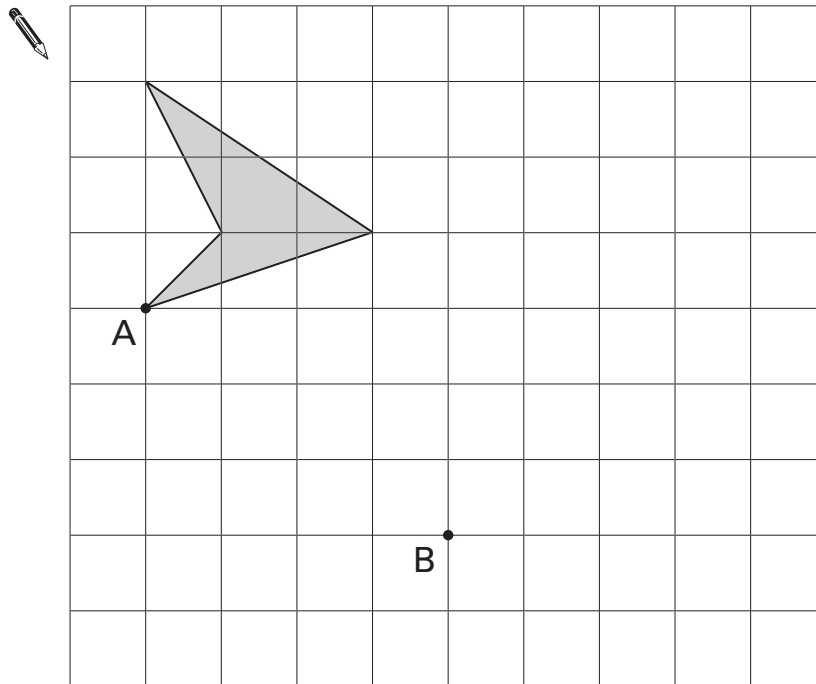
2 marks

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





# Instructions

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

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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**.

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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.

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Some questions have an answer box like this:



The diagram shows a large rectangular box for an answer. On the left side of the box, there is a callout bubble with a pencil icon and the text: "Show your **working**. You may get a mark." An arrow points from the bubble to the right. In the bottom right corner of the large box, there is a smaller, empty rectangular box for the final answer.

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

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**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

---

1 mark

2

3

Emma buys 5 bunches of flowers.

Each bunch of flowers costs £1.20



How much does Emma pay altogether?



£

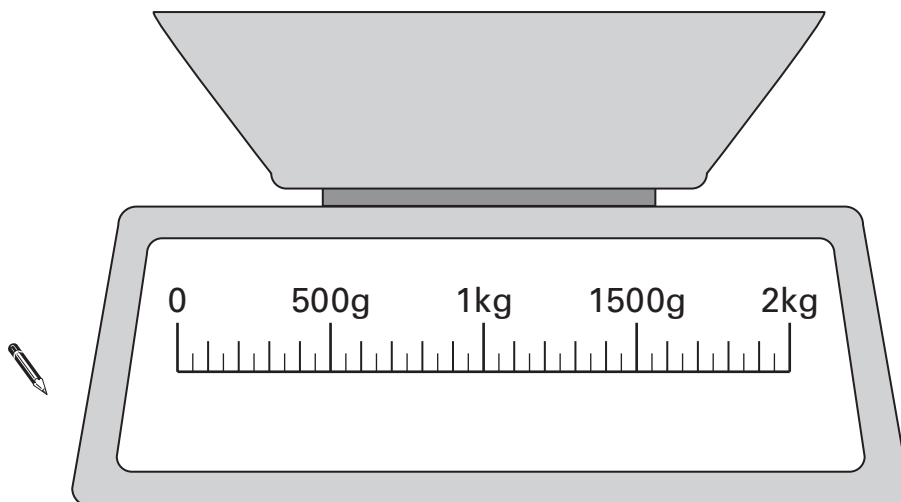
3

1 mark

4

Luke needs 200 grams of flour.

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



4

1 mark

**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

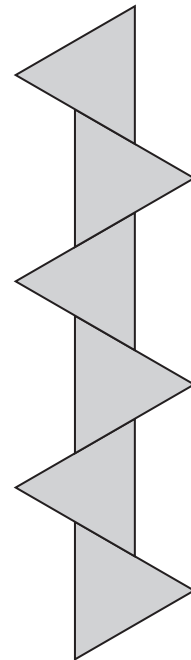
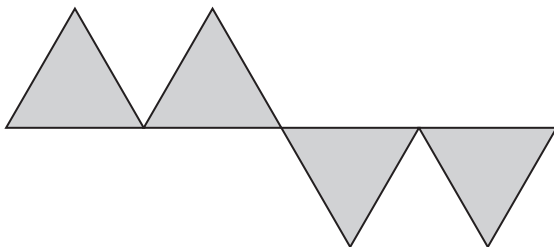
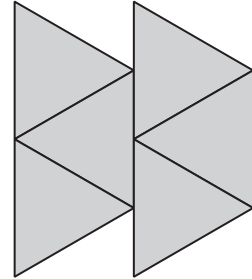
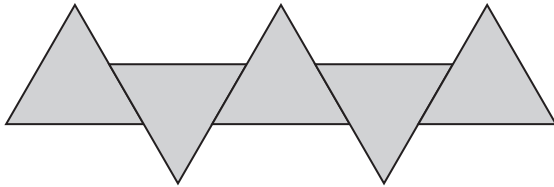
5ii

2 marks

6

Here are some patterns made with identical triangles.

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



6

1 mark

**7**Calculate **317 – 180**

7

1 mark

**8**

Here are some pairs of numbers.

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

One has been done for you.

<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">7.5</div>	8.5
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3.5	9.5
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2.5	5.5
-----	-----

4.5	6.5
-----	-----

8

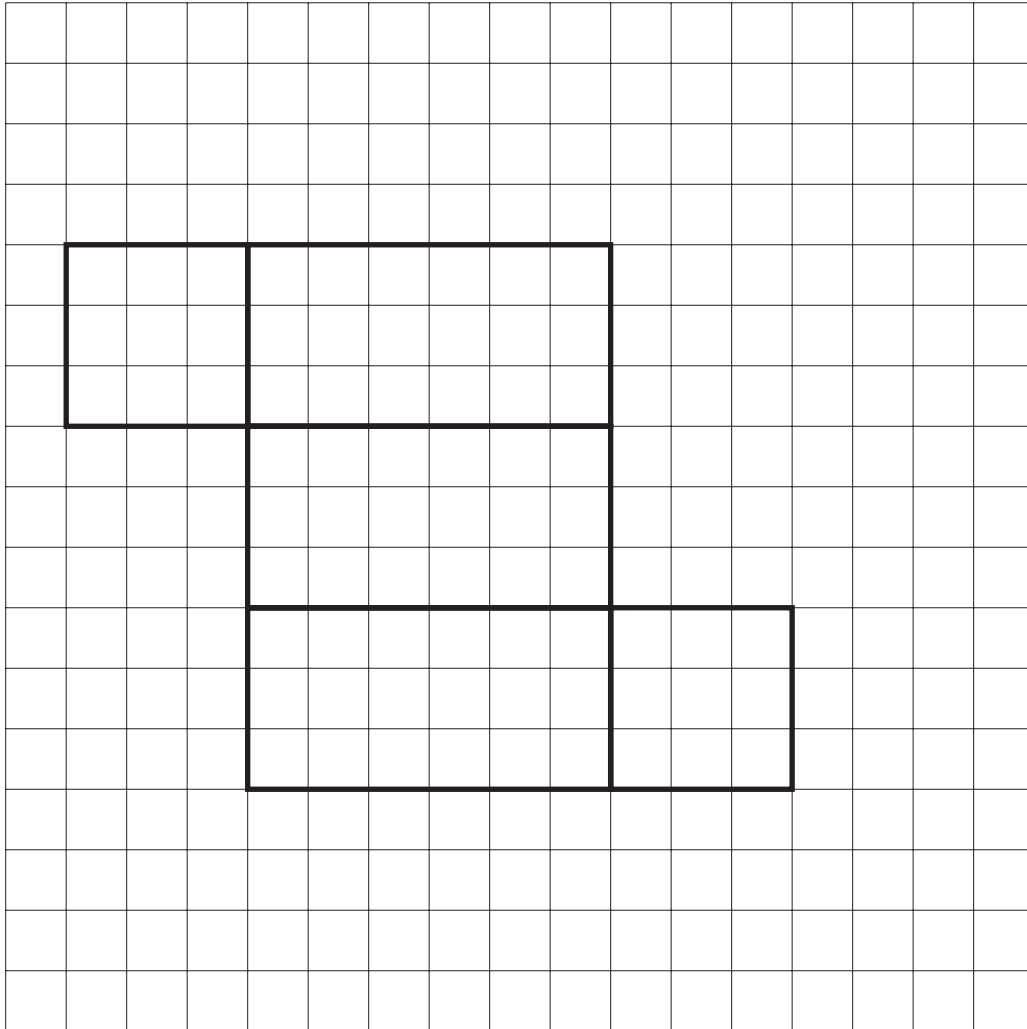
1 mark

9

Here is part of a net for a cuboid.

Draw in the missing face to complete the net.

Use a ruler.



9

1 mark