1 Write in the missing numbers.

$\square + 75 = 90$

1a

1 mark

$4 \times \square = 200$

1b

1 mark

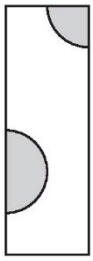
2 Circle **one** number in **each** box to make a total of 1000

150		150
250	200	250
350	400	350
450		450

2

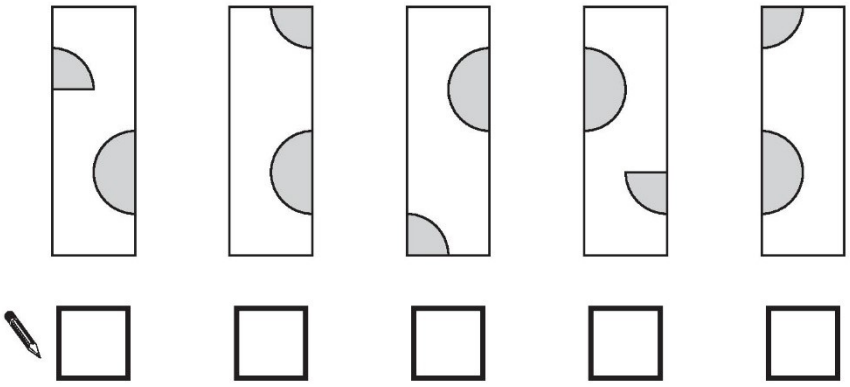
1 mark

3 Here is a tile.



The tile is turned.

One of the diagrams below shows the tile after it has been turned.
Tick (✓) the correct diagram.



3

1 mark

Total out of 4 _____

4 Kate has a piece of ribbon **one metre** long.

She cuts off 30 centimetres.

How many centimetres of ribbon are left?

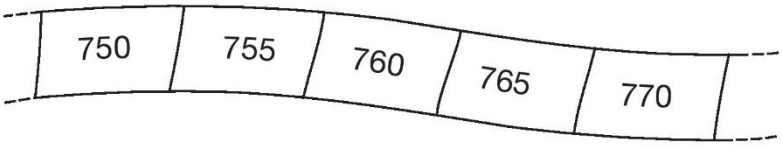
cm

4

1 mark

5 Here is part of a number sequence.

The numbers increase by the same amount each time.



The sequence continues.

Circle **all** of the numbers below that would appear in the sequence.

840 905 989 1000 2051

5

1 mark

6 Here are three bags in a shop.

A
£11.50

B
£14.65

C
£16.50

How much does bag B cost to the nearest pound?

£ _____

6a

1 mark

Jamie buys bag A and bag C.

How much change does he get from £40?

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

£ _____

6bi

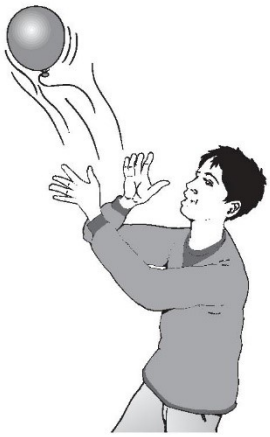
6bii

2 marks

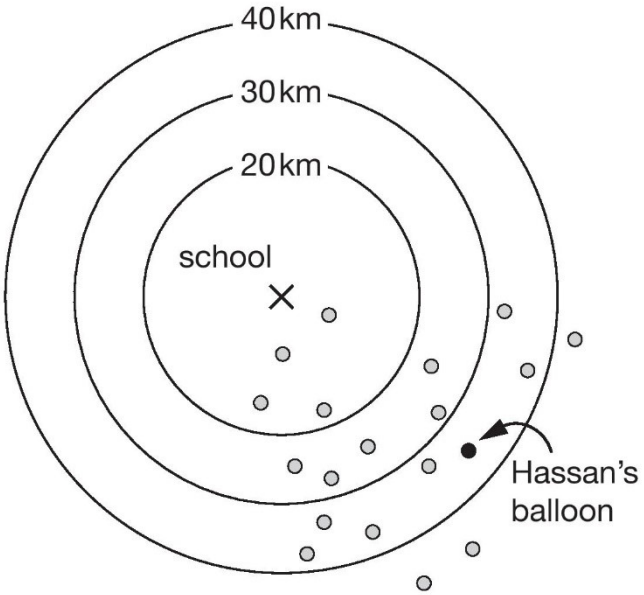
Total out of 5 _____

7

Class 6 launched some balloons at a school fete.



This diagram shows how far some of the balloons travelled.



How many balloons on the diagram travelled between 20 km and 30 km?

7a

1 mark

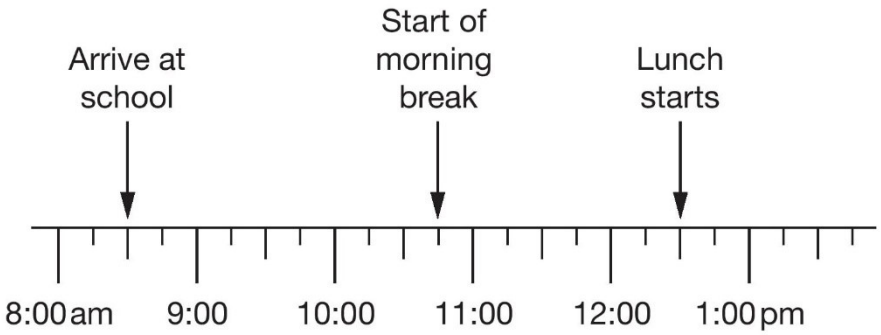
Estimate how far Hassan's balloon travelled.

km

7b

1 mark

8 Jamie makes a time line of part of his day.



What time does Jamie's morning break start?

am

8a

1 mark

Lunch lasts for three-quarters of an hour.

What time does lunch **finish**?

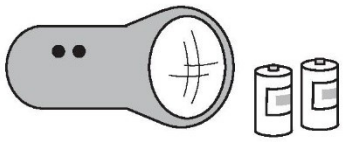
pm

8b

1 mark

Total out of 4 ____

9 A torch costs £7.65



Kate buys a torch and **two** batteries.

She pays £8.75 altogether.

How much does **one** battery cost?

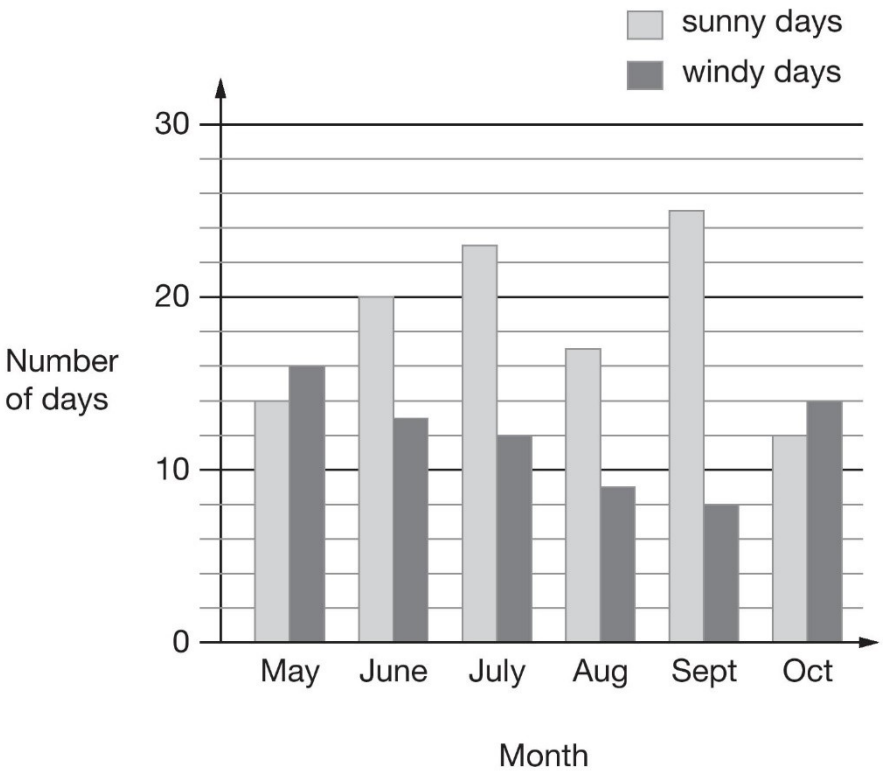
Show your **working**. You may get a mark.

9i

9ii

2 marks

10 The chart shows the number of sunny days and the number of windy days in six months.



Which months had more windy days than sunny days?

_____ 10a

1 mark

How many months had more than 15 sunny days?

☐ 10b

1 mark

How many more sunny days than windy days were there in **June**?

☐ 10c

1 mark

Total out of 5 _____

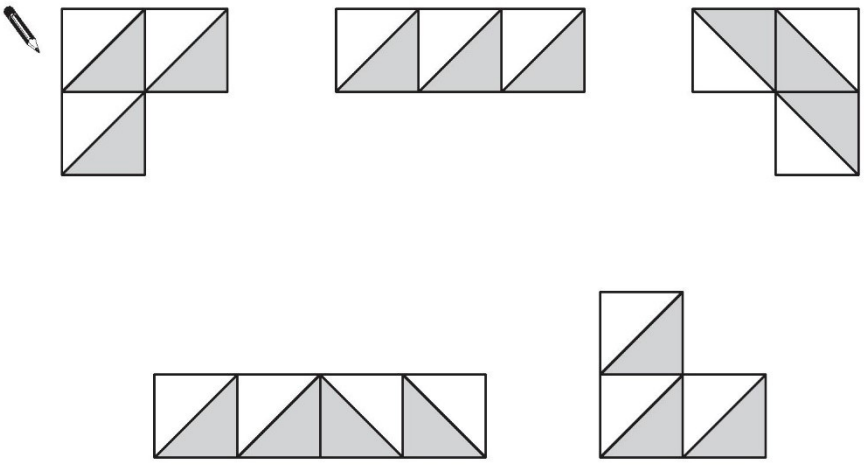
11 Calculate **17 × 5 × 4**

11

1 mark

12 Here are five patterns.

For each pattern put a tick (✓) if it has a line of symmetry.
Put a cross (✗) if it does not.



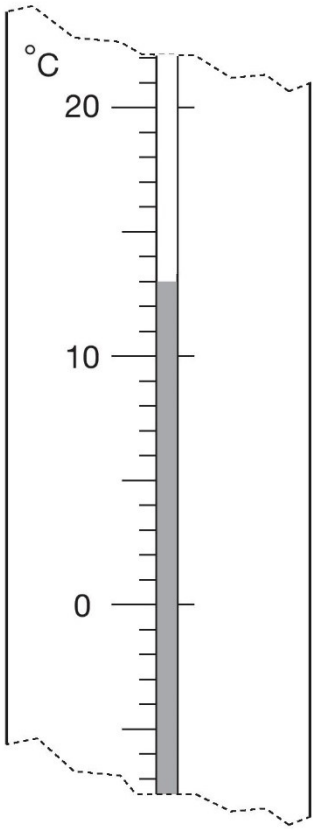
12i

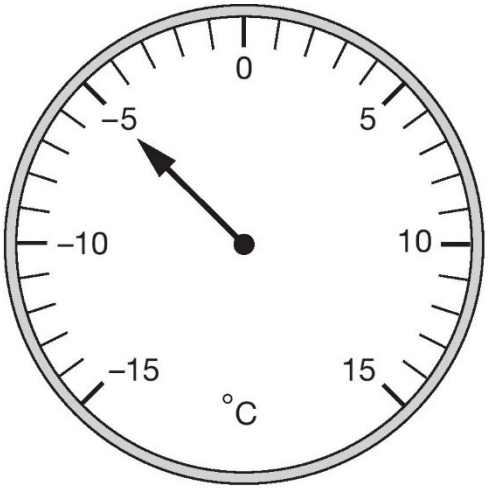
12ii

2 marks

13 Here are two thermometers.

They show two different temperatures.





What is the **difference** between the two temperatures?

degrees

13

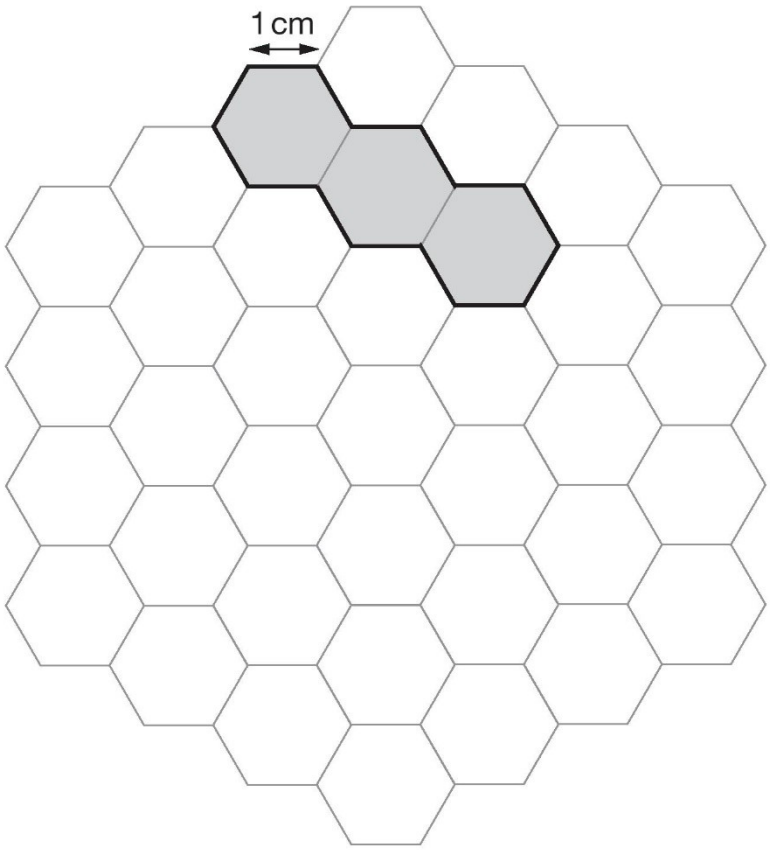
1 mark

Total out of 4 ____

14 Here is a grid of regular hexagons.

The shaded shape has an area of 3 hexagons and a perimeter of 14 cm.

Draw another shape on the grid which has an **area** of 4 hexagons and a **perimeter** of 14 cm.



14

1 mark

15 Write **one** number which fits **all three** of these statements.

It is a multiple of 4

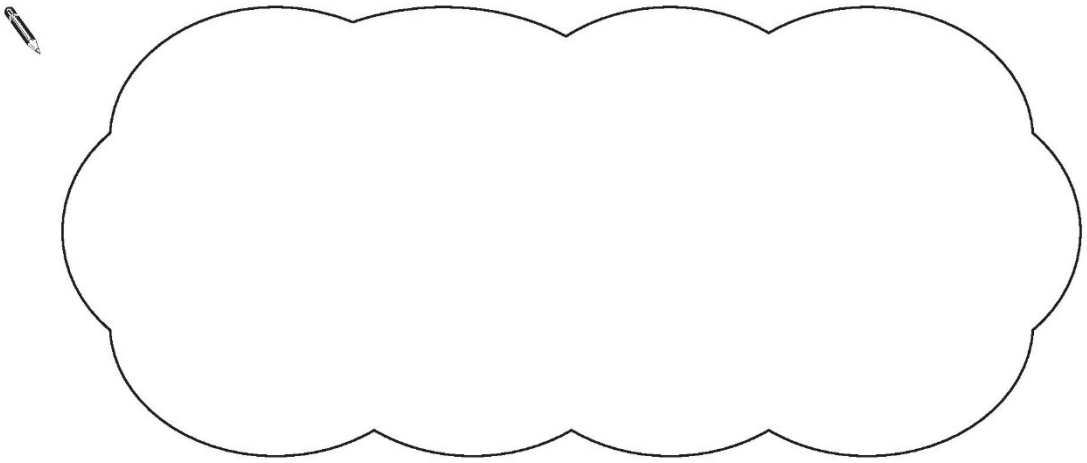
It is a multiple of 6

It ends in '8'

15a

1 mark

Explain why a number which ends in '3' **cannot** be a multiple of 4



15b

1 mark

Total out of 3 _____

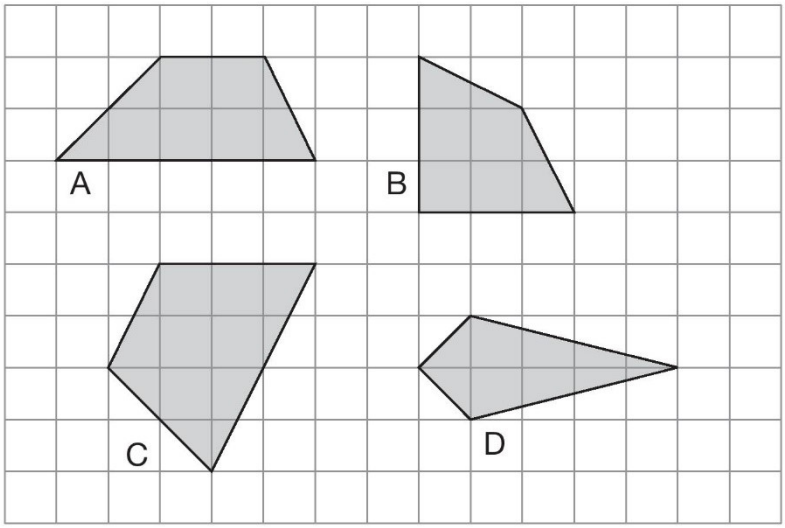
16 Circle **all** the numbers that are **greater than** 0.6

0.5 0.8 0.23 0.09 0.67

16

1 mark

17 Here are some shapes on a grid.



Write the letter of each shape that has one pair of parallel sides.

17

1 mark

18 A shop sells notebooks and pens.

Hassan bought **a notebook** and **a pen**.
He paid **£1.10**

Kate bought **a notebook** and **2 pens**.
She paid **£1.45**

Calculate the cost of **a notebook**.

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

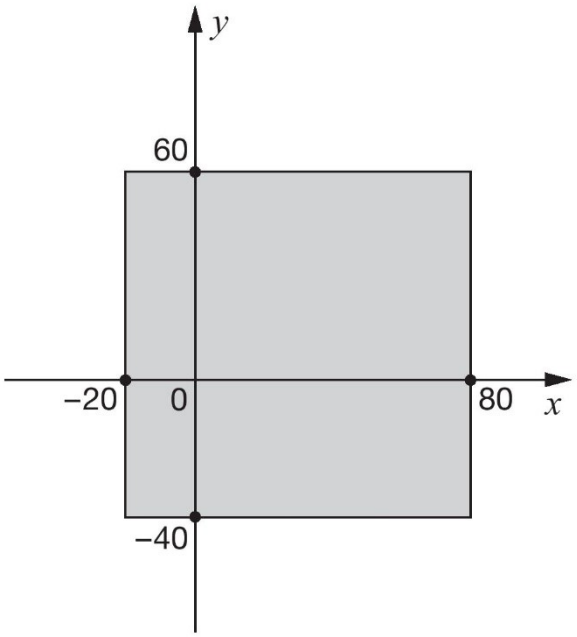
18i _____

18ii _____

2 marks

Total out of 4 _____

19 Here is a shaded square on x and y axes.



For each of these points, put a tick (✓) to show if it is inside the square or outside the square.

	inside the square	outside the square
(50, 70)	☐	☐
(60, –30)	☐	☐
(–10, 50)	☐	☐
(–30, –30)	☐	☐

19i

19ii

2 marks

20 Calculate **504 ÷ 21**

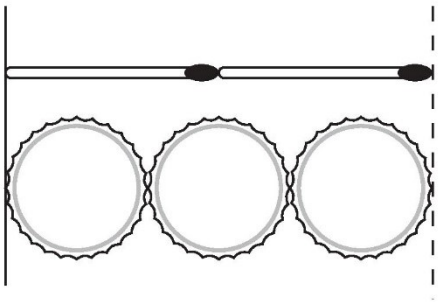
Show your **working**. You may get a mark.

20i

20ii

2 marks

21 Two matchsticks have the same length as three bottle tops.



How many bottle tops will have the same length as 50 matchsticks?

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

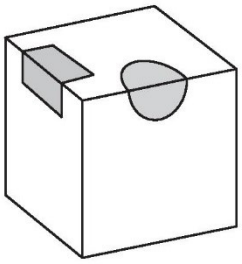
21i

21ii

2 marks

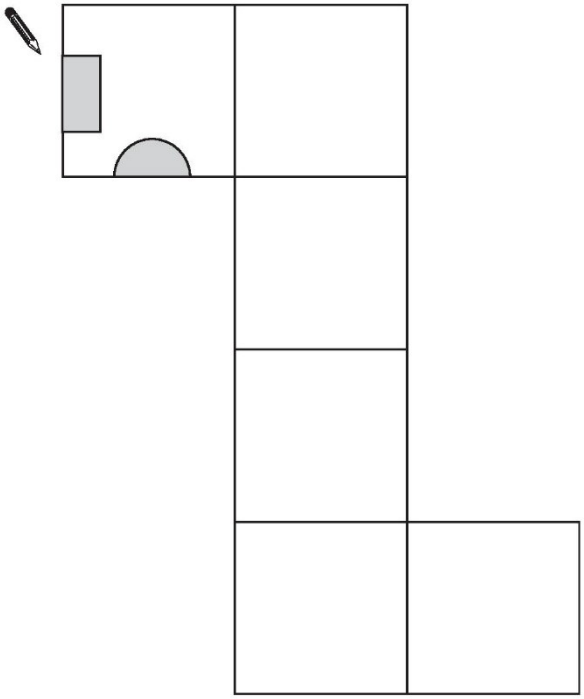
Total out of 6

22 A cube has shaded shapes on three of its faces.



Here is a net of the cube.

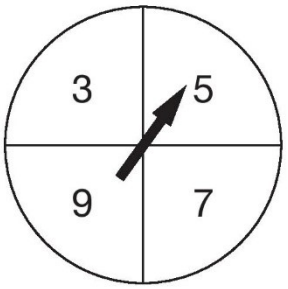
Draw in the two missing shaded shapes.



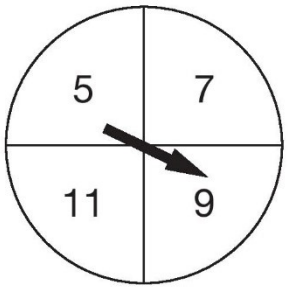
22

1 mark

23 Here are two spinners, A and B.



A



B

Hassan spins the pointer on each spinner.

He adds his two scores together.

For each statement put a tick (✓) to show if it is **certain**, **possible** or **impossible**.

One has been done for you.

	certain	possible	impossible
The total will be more than 15	☐	✓	☐
The total will be an even number.	☐	☐	☐
The total will be less than 6	☐	☐	☐
The score on A will be less than the score on B.	☐	☐	☐

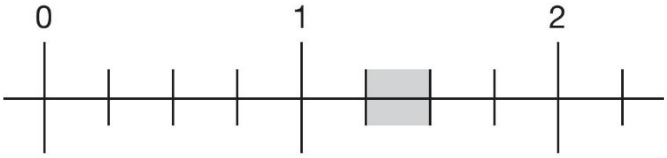
23i _____

23ii _____

2 marks

Total out of 3 _____

24 Part of this number line is shaded.



Circle **all** the numbers below that belong in the shaded part of the number line.

1.1 1.4 $1\frac{1}{3}$ $1\frac{1}{5}$

24

1 mark

25 Jamie draws a triangle.

He says,

'Two of the three angles in my triangle are obtuse'.

Explain why Jamie **cannot** be correct.

25

1 mark