Q1. Write in the missing numbers.

$$\boxed{} + 75 = 90$$

$$4 \times \boxed{} = 200$$

Q2. Circle one number in each box to make a total of 1000
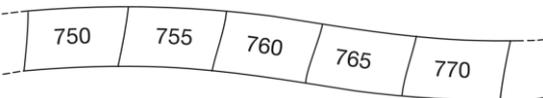
150		150
250	200	250
350	400	350
450		450

Q3. 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.

☐ ☐ ☐ ☐ ☐

Q4. Kate has a piece of ribbon one metre long. She cuts off 30 centimetres.
How many centimetres of ribbon are left?

Q5. Here is part of a number sequence. The numbers increase by the same amount each time.
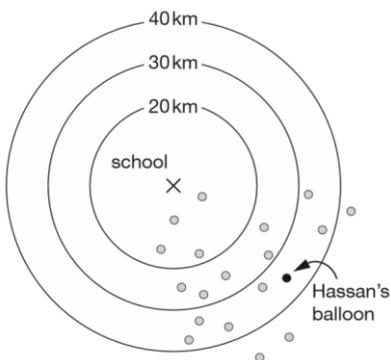
750   755   760   765   770

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

840   905   989   1000   2051

Q6. Here are three bags in a shop.

A   B   C
£11.50   £14.65   £16.50

How much does bag B cost to the nearest pound?

Jamie buys bag A and bag C.
How much change does he get from £40?

Q7. Class 6 launched some balloons at a school fete. This diagram shows how far some of the balloons travelled.
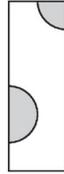
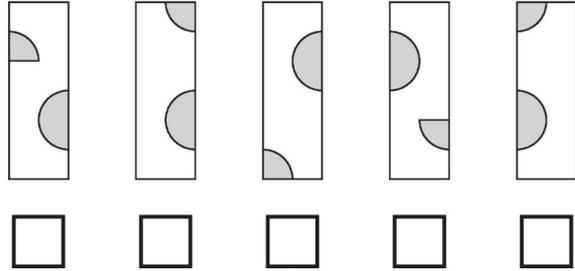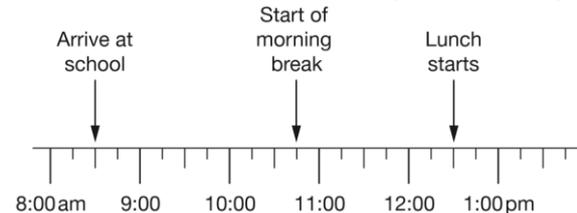How many balloons on the diagram travelled between 20km and 30km?

Estimate how far Hassan's balloon travelled.

Q8. Jamie makes a time line of part of his day.

Arrive at school   Start of morning break   Lunch starts

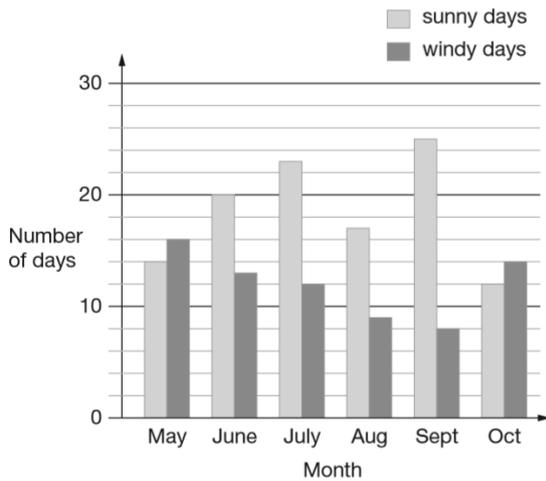8:00am   9:00   10:00   11:00   12:00   1:00pm

What time does Jamie's morning break start?

Lunch lasts for three-quarters of an hour.
What time does lunch finish?

Q9. A torch costs £7.65
Kate buys a torch and two batteries.
She pays £8.75 altogether.
How much does one battery cost?

Q10. The chart shows the number of sunny days and the number of windy days in six months.

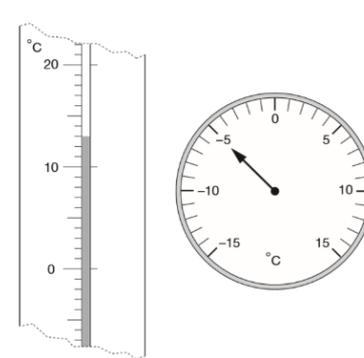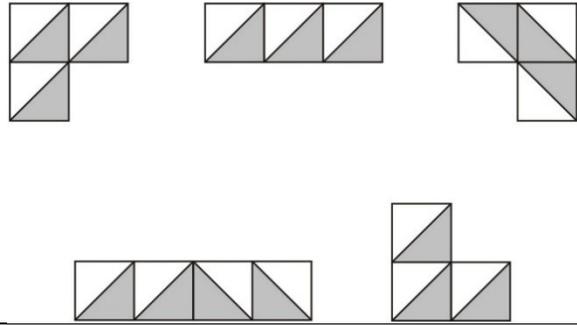Which months had more windy days than sunny days?

How many months had more than 15 sunny days?

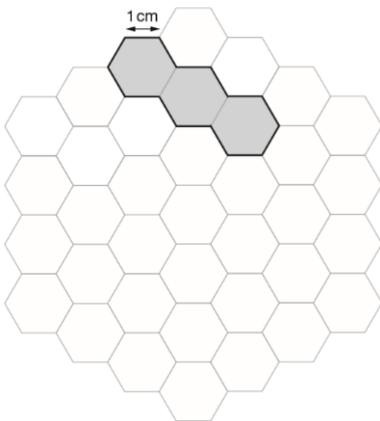How many more sunny days than windy days were there in June?

Q11. Calculate 17 × 5 × 4

Q12. Here are five patterns.
For each pattern put a tick if it has a line of symmetry. Put a cross if it does not.

Q13. Here are two thermometers. They show two different temperatures. What is the difference between the two temperatures?

Q14. Here is a grid of regular hexagons. The shaded shape has an area of 3 hexagons and a perimeter of 14cm.

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

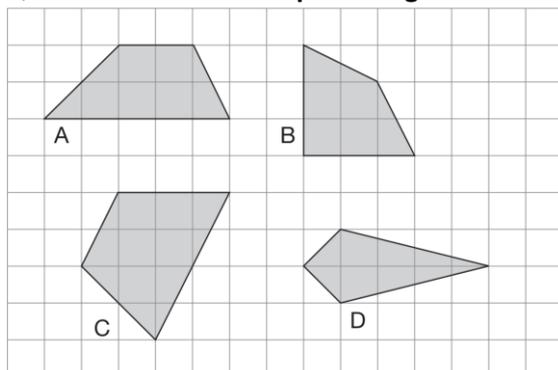**Q15.** Write one number which fits all three of these statements.
It is a multiple of 4
It is a multiple of 6
It ends in '8'

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

Q16. Circle all the numbers that are greater than 0.6

0.5   0.8   0.23   0.09   0.67

Q17. Here are some shapes on a grid.

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

Q18. A shop sells notebooks and pens.
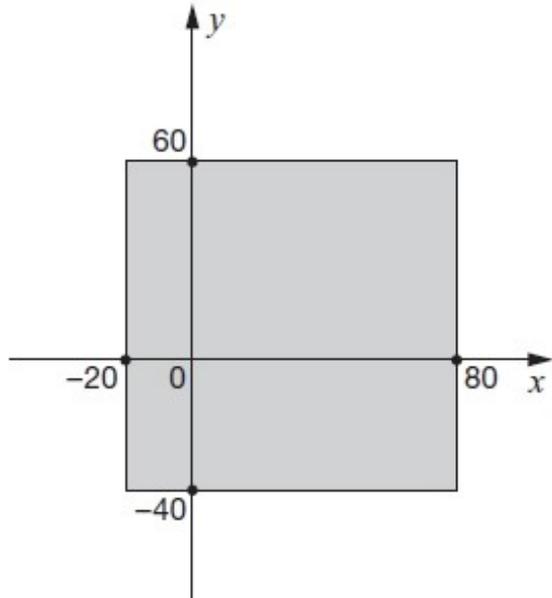Hassan bought a notebook and a pen.
He paid £1.10
Kate bought a notebook and 2 pens.
She paid £1.45
Calculate the cost of a notebook.

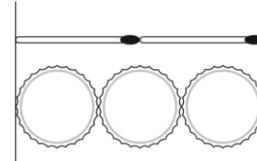**Q19.** Here is a shaded square on x and y axes.

For each of these points, put a tick to show if it is inside the square.

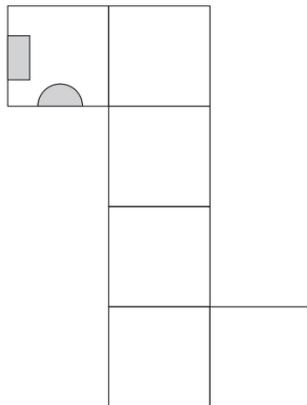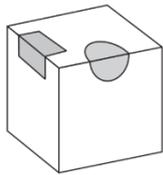(50, 70)   (60, -30)   (-10, 50)   (-30, -30)

Q20. Calculate 504 ÷ 21

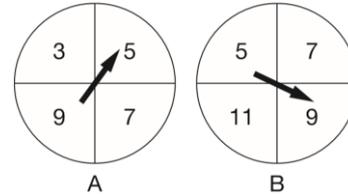**Q21.** Two matchsticks have the same length as three bottle tops.

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

Q22. A cube has shaded shapes on three of its faces.
Here is a net of the cube. Draw in the two missing shaded shapes.


Q23. Here are two spinners, A and 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.	☐	☐	☐

Q24. Part of this number line is shaded.
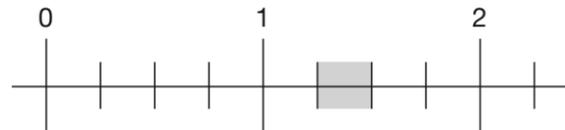
Circle all the numbers below that belong in the shaded part of the number line.

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

Q25. Jamie draws a triangle. He says, 'Two of the three angles in my triangle are obtuse.' Explain why Jamie cannot be correct.