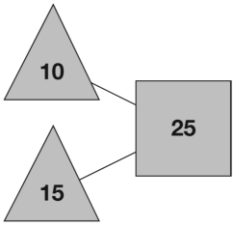
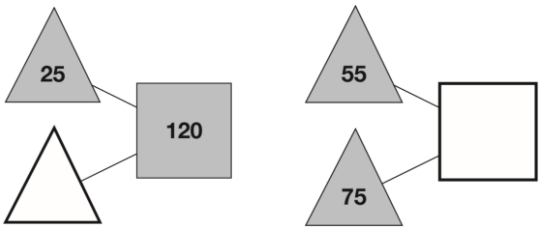
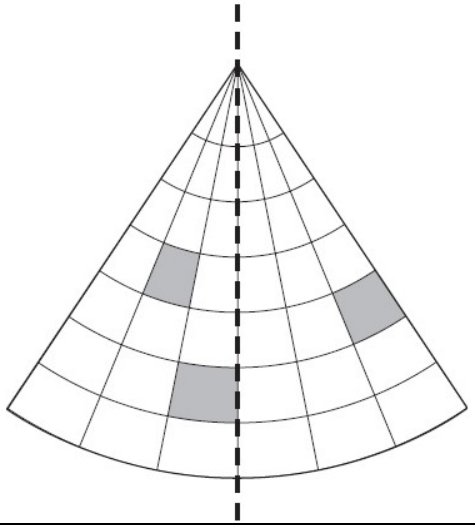
Q1. The numbers in the two triangles add up to the number in the square.



Using the same rule, write in the missing numbers.



Q2. Draw the reflection of all the shaded shapes in the mirror line.



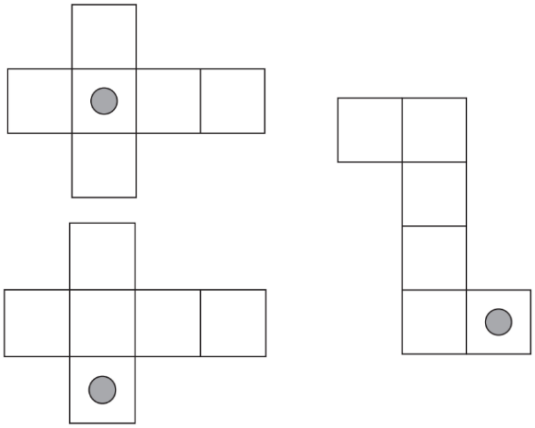
Q3. Circle the number that is closest to 300

338 3030 288 313 130

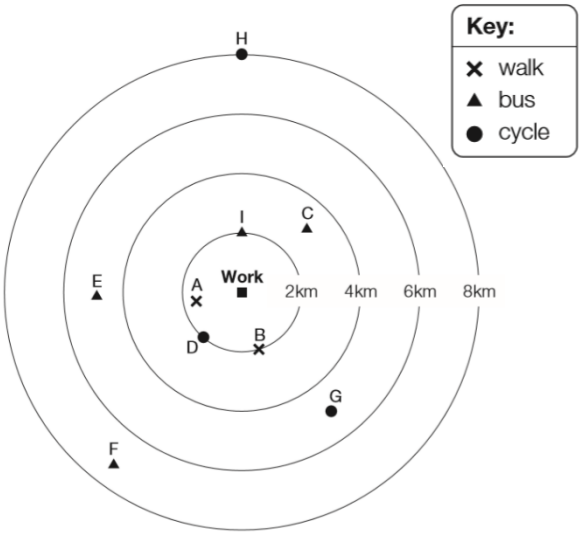
Q4. The number 20 goes in two of the squares of this multiplication grid.
Tick the two squares where 20 goes.

×	1	2	3	4	5
1					
2					
3					
4					
5					

Q5. Here are three nets of a cube. On each net draw one more dot so that each cube will have dots on opposite faces.



Q6. This diagram shows how nine people travel to work and how far away they live.



How many people live more than 4km from work?

How far from work does person G live?

Write the letter of the person who lives 2km from work and cycles.

Q7. Megan and Chen are washing cars.
Megan gets £39 and Chen gets £55
They share what they get equally between them. How much does each of them get?

Q8. The table shows the cost of a new football kit.

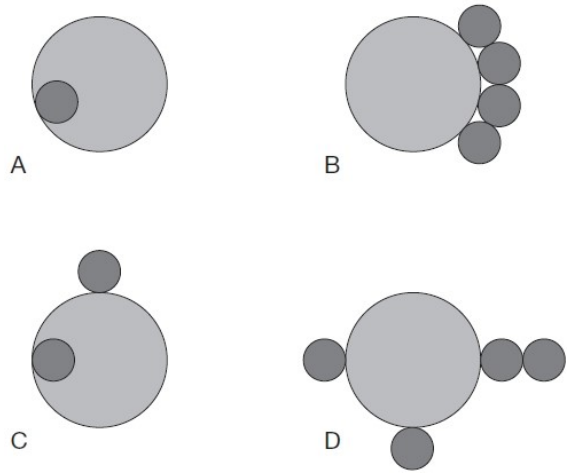
Item	Cost
Shirt	£8.75
Shorts (1 pair)	£5.95
Socks (1 pair)	£4.15

Altogether, how much does the complete football kit cost?

Q9. Here are some sentences about an amount of money. Mark each sentence with a tick if it is correct. Put a cross if it is not correct.

£1.03 can be made with exactly 1 coin.
£1.03 can be made with exactly 2 coins.
£1.03 can be made with exactly 3 coins.
£1.03 can be made with exactly 4 coins.

Q10. Here are four designs made from two sizes of circles.



Write the letters of all the designs that have line symmetry.

Q11. Write in the missing numbers.

Number	Rounded to the nearest **whole** number
5.05	
5.55	
4.45	
4.54	

Q12. Complete these calculations.

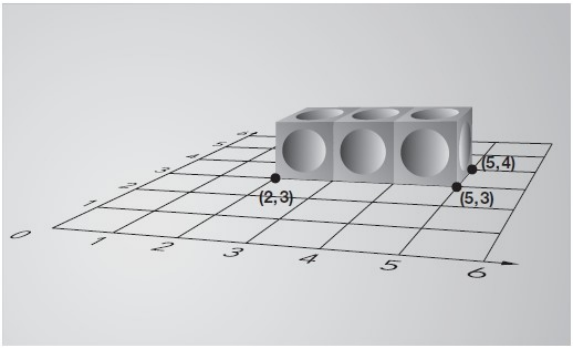
15 × 100 = ☐

☐ × 10 = 1500

☐ ÷ 100 = 150

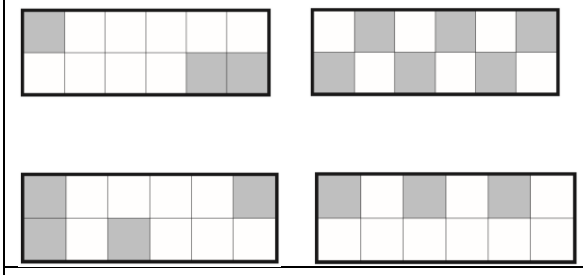
150 ÷ 10 = ☐

Q13. Alfie places three cubes on a coordinate grid. The base of his shape is a rectangle.



Complete this sentence:
The four vertices of the rectangle are (2, 3), (5, 3), (5, 4) and:

Q14. Tick each shape that is exactly $\frac{1}{4}$ shaded.



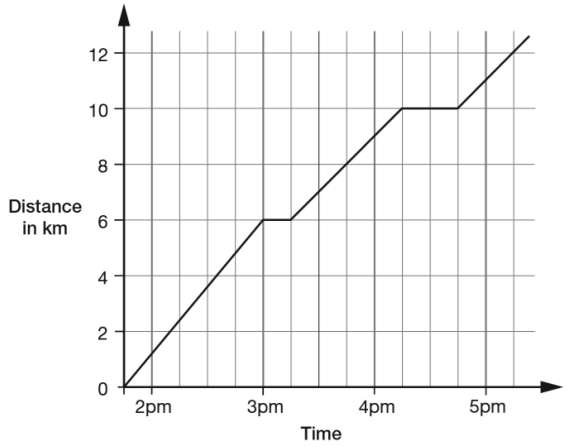
Q15. Four children are in a race. Chen is 2 metres ahead of Alfie. Nina is 5 metres behind Megan. Alfie is 3 metres behind Megan. Write the names of the runners in order, starting with the child who is furthest ahead.

_____ _____ _____ _____

furthest ahead

Q16. Alfie buys two books, each at the same price.
He pays with a £10 note and gets £2.30 change.
What is the cost of one book?

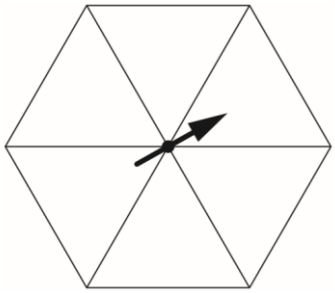
Q17. This graph shows the distance Alfie and Chen walked in an afternoon.
They started at 1:45pm and had two breaks.



How many kilometres did they walk between the first and second breaks?

At what time did Alfie and Chen start their second break?

Q18. Here is a spinner. Write a whole number in each section of the spinner so that it is certain you will get a number less than 4 and it is impossible you will get an even number.



Q19. Calculate 816 ÷ 24

Q20. Chen and Megan each have a parcel.
Chen's parcel weighs 1½ kg.
Megan's parcel weighs 1.2kg.
How many more grams does Chen's parcel weigh than Megan's parcel?

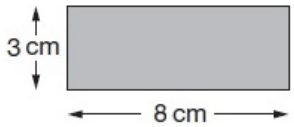
Q21. 20% of Megan's number is 64
What is 50% of Megan's number?

Q22. Write these in order of size, starting with the smallest.

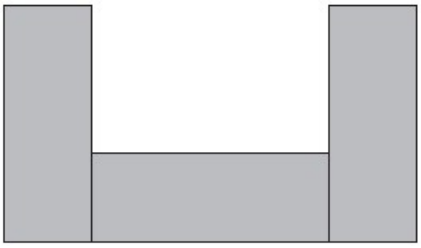
$\frac{2}{3}$ 0.5 $\frac{3}{5}$ 0.65

smallest

Q23. Alfie has some rectangles.



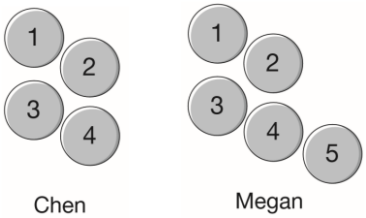
He makes this shape using three of the rectangles.



What is the perimeter of Alfie's shape?

Q24. A cake costs 15p more than a biscuit.
Megan bought a cake and two biscuits for 90p.
How much do a cake and a biscuit each cost?

Q25. Chen and Megan each have a set of numbered counters.



They each take one of their own counters without looking.
Chen says, 'I am more likely than Megan to get a 4'
Is Chen correct?
Explain how you know.