Q1. Write in the missing numbers.

$$55 + \boxed{} = 120$$

$$600 \times 4 = \boxed{}$$

Q2. Here is a square. What fraction of the square is shaded?

Q3. These are the prices of sandwiches, drinks and fruit.

Sandwiches		Drinks		Fruit	
cheese	£1.45	milk	55p	apple	15p
tuna	£1.70	cola	45p	pear	20p
salad	£1.20	juice	65p	melon	25p

Shereen buys a tuna sandwich, milk and a pear. How much does she pay?

Mike has 80p to spend on a fruit and a drink. What two things can he buy for exactly 80p?
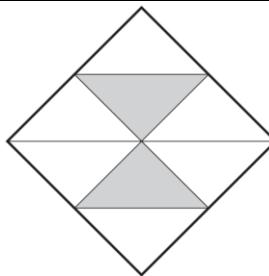
Q4. Measure accurately the length of the diagonal of this square. Give your answer in centimetres.
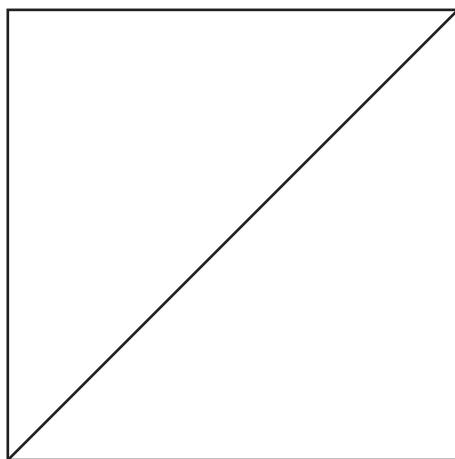
| 3 | 4 | 5 |

**Q5. Use each number card once to make the answer to each calculation an _even_ number.**

$$5 \times \boxed{}$$

$$12 \div \boxed{}$$

$$9 + \boxed{}$$

Q6. Alan has 45 beans. He plants 3 beans in each of his pots. How many pots does he need?

Leila puts 4 seeds in each of her pots. She uses 6 pots and has 1 seed left over. How many seeds did she start with?

Q7. Here are five shapes on a square grid. Write the letters of the two shapes which have a line of symmetry.
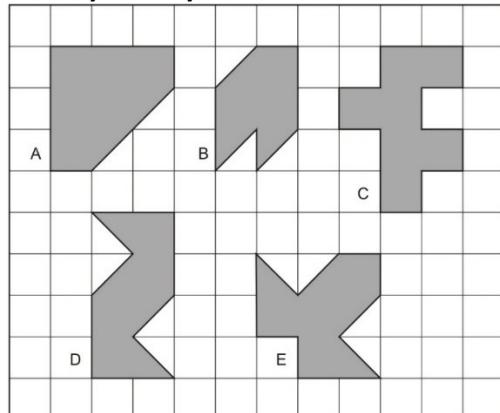
Q9. Abbie takes the temperature outside at midday on the first day of each month. The graph shows her results from January to December.
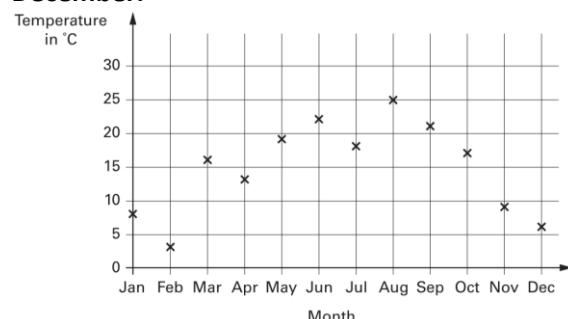
How many months on the graph show a temperature between 10°C and 20°C?

Q8. Calculate 13.6 – 2.8

Find the difference in temperature shown on the graph between July and August.

Q10. A shop sells three types of sunglasses. What is the difference in price between the most expensive and least expensive sunglasses?

£4.69

£2.99

£5.85

The shop also sells sun hats.

£3.29 each

Ryan buys the £4.69 sunglasses and a sun hat. How much change does he get from £10?
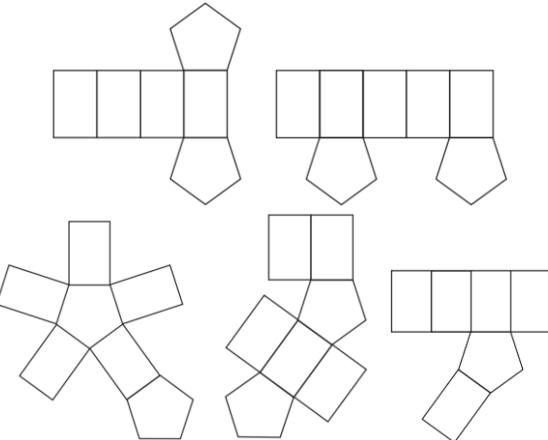
Q11. A film starts at 6:45pm.
It lasts 2 hours and 35 minutes.
What time will the film finish?

Q12. Here is a sorting diagram for numbers. Write a number less than 100 in each space.

	even	**not** even
a square number		
not a square number		

Q13. This is a drawing of a pentagonal prism. Tick the one shape that is a net for the pentagonal prism.

Q14. Write in the missing numbers in this multiplication grid.

| ✖	5	☐	☐
4	20	36	32
☐	35	63	56
☐	30	54	48

Q15. Millie has some star-shaped tiles.
Each edge of a tile is 5 centimetres long.

5cm
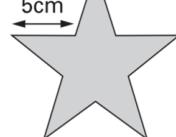
She puts two tiles together to make this shape.
Work out the perimeter of Millie's shape.

Q16. Mr Khan makes a blackcurrant drink for a party. He pours blackcurrant squash into a jug.

500
400
300
200
100
ml
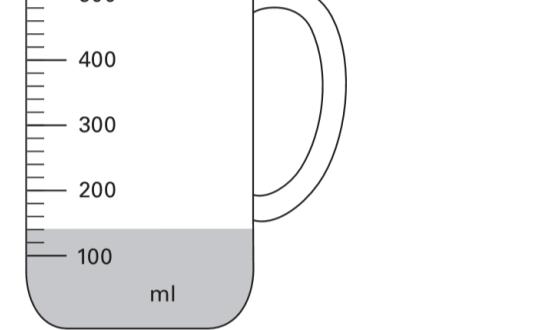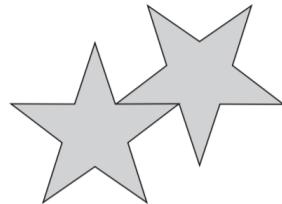
How much water must he add to make 500 millilitres of drink?

Q17. Calculate 31.6 x 7

Q18. Mari is the presenter of a weekly radio show.
She always plays five new songs for every two old songs.
Last week she played 15 new songs.
How many songs did she play altogether?

Q19. Julie says, 'I added three odd numbers and my answer was 50'
Explain why Julie cannot be correct.

Q20. Here is a kite.
Write the coordinates of point D.
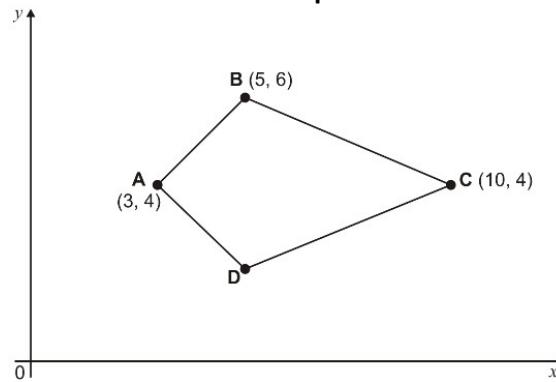
Q21. Calculate $900 ÷ (45 × 4)$

Q22. Liam thinks of a number.
He multiplies the number by 5 and then subtracts 60 from the result.
His answer equals the number he started with.
What was the number Liam started with?

Q23. Here is a part of a train timetable.

Edinburgh	–	09:35	–	–	13:35	–	–
Glasgow	09:15	–	11:15	13:15	–	13:45	15:15
Stirling	09:57	–	11:57	13:57	–	14:29	15:57
Perth	10:34	10:51	12:34	14:34	14:50	15:15	16:35
Inverness	–	13:10	–	–	17:05	–	–

How long does the first train from Edinburgh take to travel to Inverness?

Ellen is at Glasgow station at 1:30pm.
She wants to travel to Perth. She catches the next train.
At what time will she arrive in Perth?

Q24. Calculate 5% of £3600

Q25. Here is an equilateral triangle inside a square. The perimeter of the triangle is 48 centimetres.
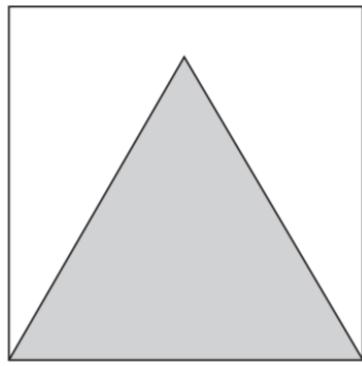
Calculate the perimeter of the square.