



Q1. Write in the missing numbers.

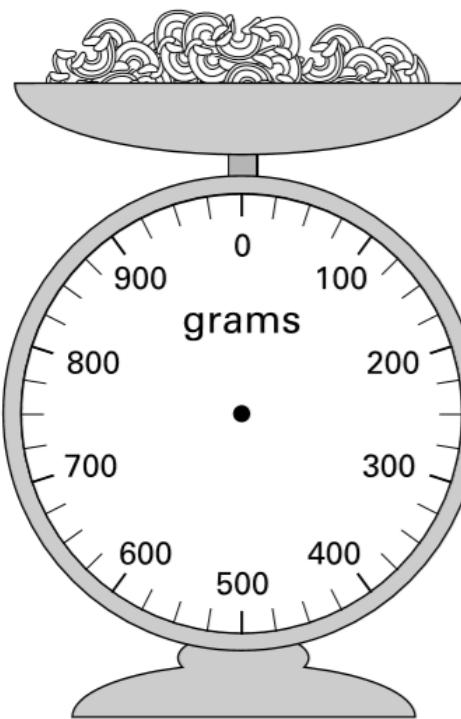
$$55 + \boxed{\quad} = 120$$

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

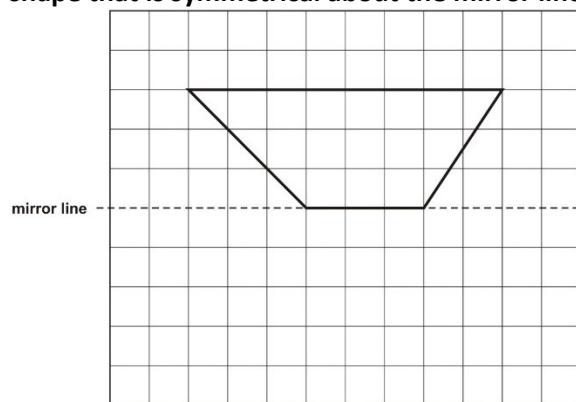
Q2. Jamie is cooking pasta.

He weighs 350 grams of pasta.

Draw an arrow on the scale to show 350 grams.



Q3. Complete the diagram below to make a shape that is symmetrical about the mirror line.



Q4. Which of these numbers give 80 when rounded to the nearest 10?

Circle all the correct numbers.

84 87 72 76 90



Q5. Calculate $309 - 198$



Q6. This table shows how many journeys a taxi driver made on five days and how much money he collected.

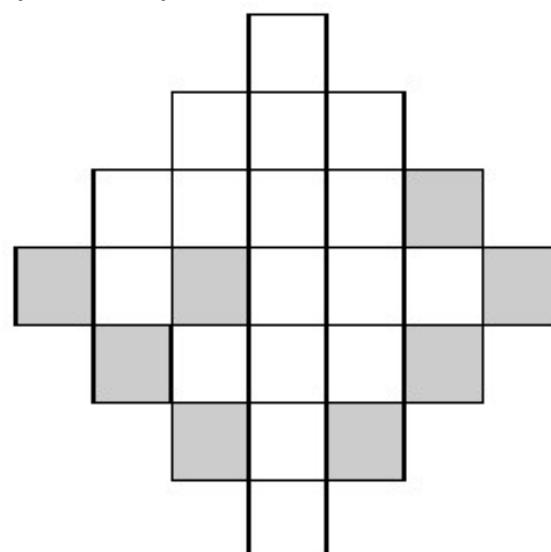
	number of journeys	money collected
Monday	23	£85
Tuesday	36	£112
Wednesday	18	£69
Thursday	31	£124
Friday	35	£109

How much money did he collect on the day that he made the most journeys?

How much more money did he collect on Monday than on Wednesday?

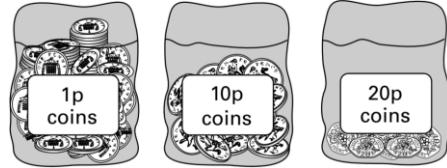
Q7. Here is a grid with eight squares shaded in.

Shade in two more squares to make a symmetrical pattern.





Q8. Each of these bags contains £1.60



Each bag

contains only one type of coin.

Complete this table to show how many coins are in each bag. One has been done for you.

Type of coin	Number of coins
1p	160
10p	
20p	



Q10. Here is a repeating pattern of shapes.

Each shape is numbered.



The pattern continues in the same way.

Write the numbers of the next two stars in the pattern.

Complete this sentence.

Shape number 35 will be a circle because ...

Q9. Tom and Nadia have 16 cards each.

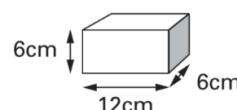
Tom gives Nadia 12 of his cards.

How many cards do Tom and Nadia each have now?

Lucy also has 16 cards.

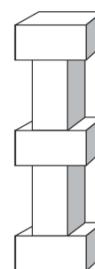
She gives a quarter of her cards to Kiran.

How many cards does Lucy give to Kiran?



Q11. Martin has some bricks.

They are 12cm long, 6cm high and 6cm deep.



He builds this tower with five bricks.

How tall is the tower?

Each brick is 12cm long.
Martin makes a line of bricks 132cm long. How many bricks does he use?



Q12. A bottle holds 1 litre of lemonade.

Rachel fills 5 glasses with lemonade.

She puts 150 millilitres in each glass.

How much lemonade is left in the bottle?



Q13. Calculate 2307×8



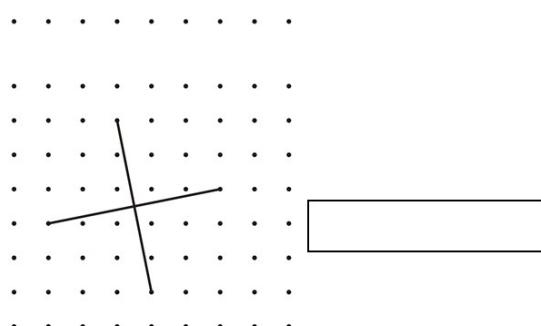
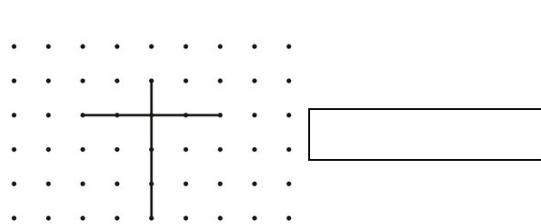
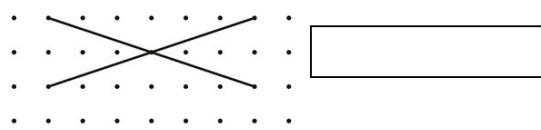
Q14. Some children ran in two races on sports day. Here are their times.

	100m race	800m race
Elise	15.9 seconds	3 minutes 02 seconds
Jake	19.7 seconds	2 minutes 58 seconds
Teri	16.8 seconds	3 minutes 01 seconds
Neil	17.1 seconds	2 minutes 59 seconds
Barry	18.4 seconds	2 minutes 57 seconds

Who finished the 100m race in second place?

In the 800m race, how many seconds did Barry finish ahead of Elise?

Q15. These diagrams show the diagonals of three quadrilaterals. Write the names of the quadrilaterals in the boxes.



Q16. Here are four digit cards.

7

5

2

1

Choose two cards each time to make the following two-digit numbers.

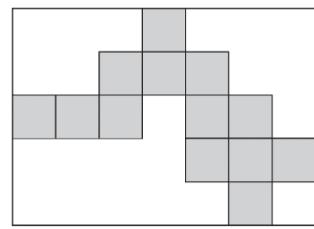
The first one is done for you.

an even number 52

a multiple of 9

a square number

a factor of 96



Q18. Here is a rectangle with 13 identical shaded squares inside it. What fraction of the rectangle is shaded?

Q19. A packet contains 1.5 kilograms of guinea pig food.

Remi feeds her guinea pig 30 grams of food each day.

How many days does the packet of food last?

Q20. An isosceles triangle has a perimeter of 12cm.

One of its sides is 5cm.

What could the length of each of the other two sides be?

Two different answers are possible.

Give both answers.

_____ cm and _____ cm

_____ cm and _____ cm

Q22. Write in the missing number.

$$50 \div \boxed{} = 2.5$$

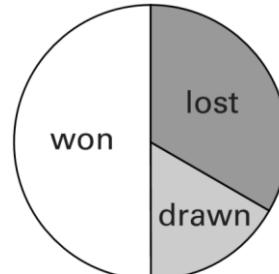
Q17. The first two numbers in this sequence are 2.1 and 2.2

The sequence then follows the rule: 'to get the next number, add the two previous numbers' Write in the next two numbers in the sequence.

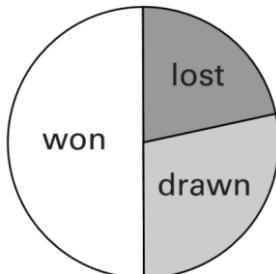
2.1 2.2 4.3 6.5

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Q21. The pie charts show the results of a school's netball and football matches. The netball team played 30 games. The football team played 24 games.



Netball



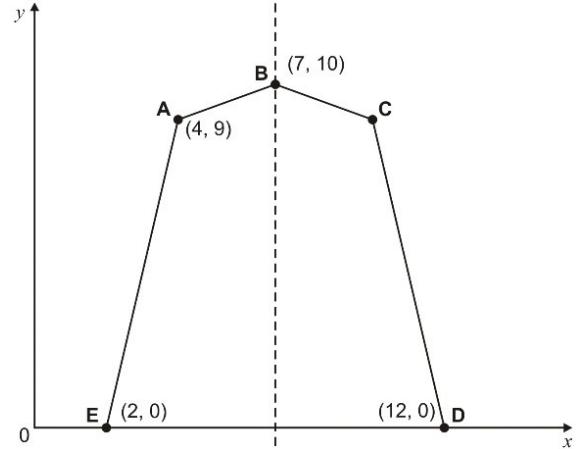
Football

Estimate the percentage of games that the netball team lost.

David says, 'The two teams won the same number of games.'

Is he correct? Explain how you know.

Q23. Here is a pentagon drawn on a coordinate grid. The pentagon is symmetrical. What are the coordinates of point C?





Q24. Three-quarters of a number is 48
What is the number?



Q25. Debbie has a pack of cards numbered from 1 to 20
She picks four different number cards.



Exactly three of the four numbers are multiples of 5
Exactly three of the four numbers are even numbers.
All four of the numbers add up to less than 40
Write what the numbers could be.



Q26. 30 children are going on a trip.
It costs £5 including lunch.
Some children take their own packed lunch.
They pay only £3
The 30 children pay a total of £110
How many children are taking their own packed lunch?