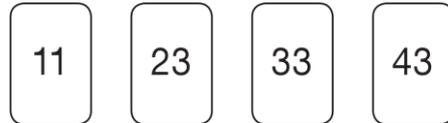**Q1. Write these prices in order, starting with the smallest.**

72p   £2.70   £0.27   £7.20   £2.07

Q2. Amy chooses two of these cards.

| 11 | 23 | 33 | 43 |

She adds the numbers on her two cards together.
She rounds the result to the nearest 10
Her answer is 60
Which two cards did Amy choose?

Q3. This table shows six different types of cat and where they are found.

	Europe and Middle East	Asia	Africa
Jungle cat	✓	✓	✗
Wildcat	✓	✓	✓
Tiger	✗	✓	✗
Lion	✗	✓	✓
Cheetah	✗	✗	✓
Leopard	✓	✓	✓

Which type of cat is found <u>only</u> in Africa?

Which types of cat are found in all three parts of the world?

Q4. Liam, Sarah and Amy buy lunch at a salad bar.

salad bar	
Salads	**Desserts**
cheese £1.20	banana 25p
egg 90p	apple pie 50p
tuna £1.60	yogurt 35p

Liam has £2.50 to spend
He buys a tuna salad and an apple pie.
How much money has he got left?

Sarah buys a cheese salad and a yogurt.
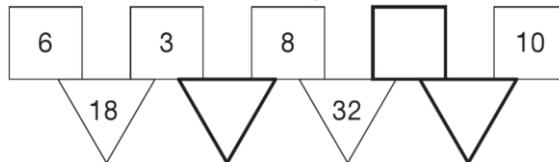**Amy buys an egg salad.**
How much more does Sarah pay than Amy?

Q5. Write these times in order, starting with the shortest.

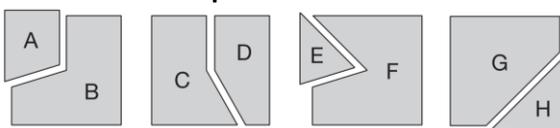24 days   1 month   10 weeks   48 hours

Q6. In this diagram, the rule is: 'to make the number in a triangle, multiply the numbers in the two squares above it.'
Write in the three missing numbers.

| 6 | 3 | 8 | | 10 |

18   32

Q7. Calculate 336 – 192

Q8. Each of these four squares has been cut into two new shapes.

A B   C D   E F   G H

Write the letters of all the new shapes that are hexagons.

Write the letters of all the new shapes that are pentagons.

Contents

	page
Rocket Ship	5
Night Journey	17
Secret Palace	25
Jack	41
Deep Water	59

Q9. A book has five stories in it. This is the contents page.
Deep Water finishes on page 68
Which is the longest story?

Q10. Here is a Carroll diagram for sorting numbers.

Write these _five_ numbers in the correct places on the diagram.

25   247   7002   49   990

	odd	**not** odd
a 3-digit number		
not a 3-digit number		

Q11. Calculate 634 x 6

Big Wheel £2.50 each ride	Rollercoaster £1.50 each ride

Q12. Liam spends £14 altogether on the Big Wheel and the Rollercoaster. He goes on the Big Wheel twice.

How many times does he go on the Rollercoaster?
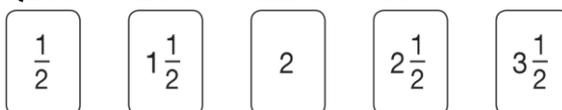
Q13. Liam has two different sizes of rectangle.

←——— 45cm ———→   ←— 20cm —→

He makes this pattern with them.

Calculate the lengths of A and B.

Q14. Here are five number cards.

$\frac{1}{2}$ $1\frac{1}{2}$ 2 $2\frac{1}{2}$ $3\frac{1}{2}$

Use _three_ of the number cards to make this calculation correct.

$$\left(\boxed{} + \boxed{} \right) \times \boxed{} = 10$$

Q15. An iced cake costs 10p more than a plain cake.

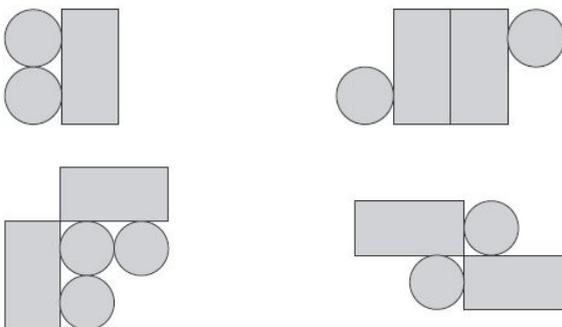Sarah bought two of each cake.

They cost £1 altogether.

What is the cost of an _iced_ cake?

Q16. Amy has some circular tiles and some rectangular tiles.

She makes these patterns with them. For each pattern, put a tick if it has a line of symmetry. Put a cross if it does not.

Q17. Three _different_ numbers add up to 40

The numbers are all even.

Each number is less than 20

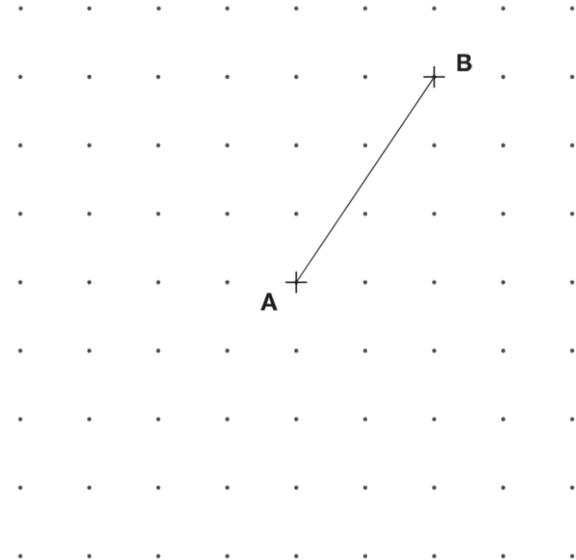Write what the three _different_ numbers could be.

$$\boxed{} + \boxed{} + \boxed{} = 40$$

Q18. Liam makes a sequence of numbers starting with 300. He subtracts 125 each time. Write the next two numbers in Liam's sequence.

300   175   50 $\boxed{}$ $\boxed{}$

Q19. Here is a grid of dots. Point A and point B are joined by a straight line. Draw a line to join point A to another dot on the grid so that the two lines make a right angle.
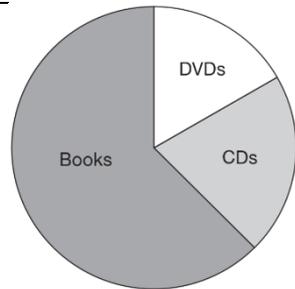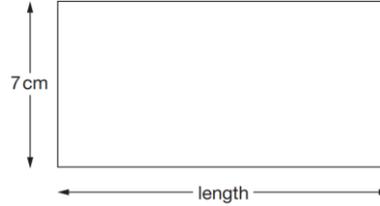
B

A

Q20. Circle the fraction that is greater than ½ but less than ¾

$\frac{7}{8}$ $\frac{2}{5}$ $\frac{1}{3}$ $\frac{5}{8}$ $\frac{3}{6}$

Q21. The perimeter of this rectangle is 50 centimetres.
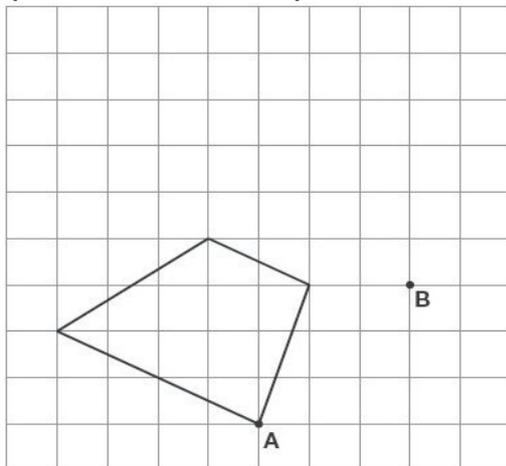Calculate the length of the rectangle.

7 cm

length

Q22. A shop sells books, CDs and DVDs.
This pie chart shows the sales of each in one week.
Estimate the fraction of the total sales that were DVDs.

DVDs

Books   CDs

In this week, 200 CDs were sold.
Estimate how many books were sold.

Q23. Write the missing number to make this calculation correct.

$$11 \times \boxed{} = 1111$$

Q24. Here is a quadrilateral on a square grid. The quadrilateral is translated so that point A moves to point B. Draw the quadrilateral in its new position.

B

A

Q25. Sarah had a bag of cherries.
She ate 5 cherries, then gave half of what she had left to Liam.
Liam ate 5 of his cherries, then gave half of what he had left to Amy.
Amy got 2 cherries.
How many cherries did Sarah have in her bag at the start?

Q26. If you know 40% of a number, explain how you could work out the original number.