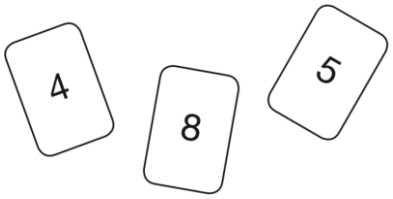
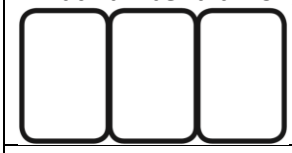
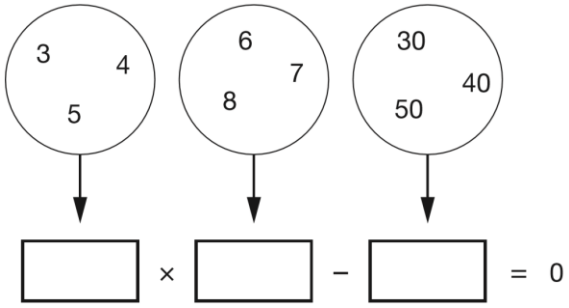
Q1. Holly made a number using these digit cards.



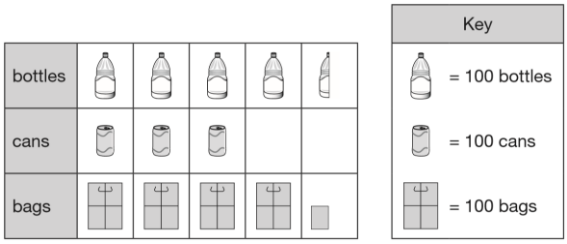
The hundreds digit is greater than 4
Holly's number is odd.
What number did Holly make?



Q2. Write one number from each circle to make this calculation correct.



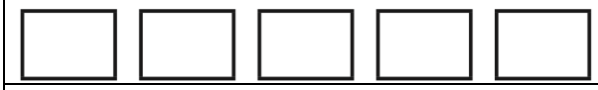
Q3. Class 6 collect litter from a park.
This chart shows some of the litter they have collected so far.



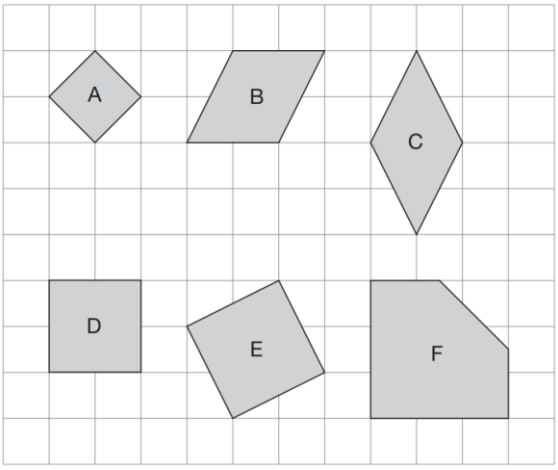
How many bottles have Class 6 collected?

How many more bags than cans have they collected?

Q4. Dev has five coins.
He has £1.60 altogether.
Write what the five coins could be.



Q5. Here are six shapes on a square grid.



Write the letters of all the shapes that are squares.

Q6. Joe has a box of 72 chocolates.
He gives 18 of the chocolates to his friends.
How many chocolates are left in the box?

Holly has a box of mints. She has 10 friends.
She gives them 5 mints each. She has 13 mints left. How many mints were in the box at the start?

Q7. Holly takes half an hour to walk from home to school.
She arrives at school at 8:25am.
At what time did she leave home?

Dev leaves school at half past three.
He arrives home at ten past four.
How many minutes did it take him to get home?

Q8. The four sums below can be completed using only the numbers 1 to 8

1 2 3 4 ~~5~~ ~~6~~ 7 8

Use each number once to complete the sums.
One sum has been done for you.

1 + 5 + 6 = 12

2 + ☐ + ☐ = 12

3 + ☐ + ☐ = 12

6 + ☐ + ☐ = 12

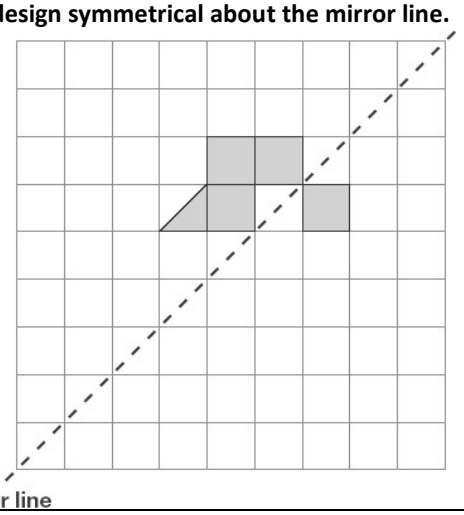
Q9. Here is part of a number sequence.
The numbers in the sequence increase by 25 each time.

50 75 100 125 …

Circle all of the numbers below that will appear in the sequence.

255 650 735 900 995

Q10. Shade two squares and one triangle to make this design symmetrical about the mirror line.



Q11. Write the correct sign =, > or < in each circle.

9 × 3 ◯ 8 × 4

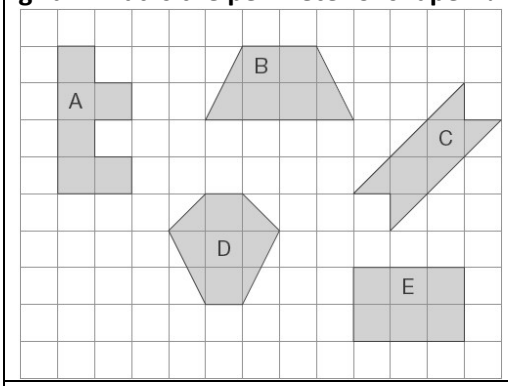
9 − 3 ◯ 8 − 4

9 + 3 ◯ 8 + 4

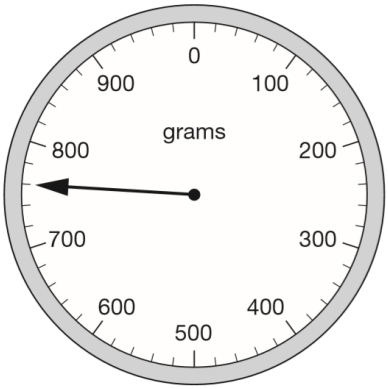
9 ÷ 3 ◯ 8 ÷ 4

Q12. Dev and Joe each buy a book.
Dev pays with a £5 note and gets £1.05 change.
Joe's book costs £7
How much more does Joe's book cost than Dev's book?

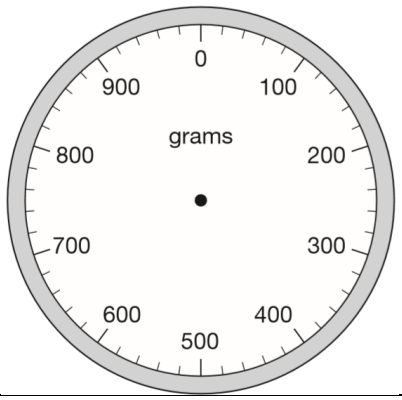
Q13. Here are some shapes on a 1cm square grid. What is the perimeter of shape A?

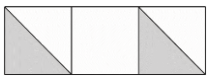


Q14. Joe places some apples on a weighing scale.
The pointer shows the mass of the apples.



He takes away one apple.
The mass goes down by 120 grams.
Draw the pointer in its new position on the scale below.





Q15. Holly says, 'One-third of this shape is shaded.'
Is Holly correct?
Explain how you know.

Q16. This chart shows the favourite snacks of some boys and girls.

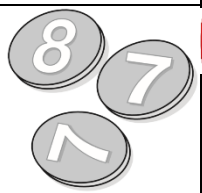
How many snacks were chosen by more girls than boys?

How many more boys than girls chose raisins?

Which snack was chosen by twice as many boys as girls?

Q17. Calculate 3.81 + 18.3

Q18. Dev has three discs.
Each disc has a 7 on one side and an 8 on the other side.
He spins all the discs and adds the three scores together.



How many different totals can he get using the three discs?

Q20. Here are five number cards.

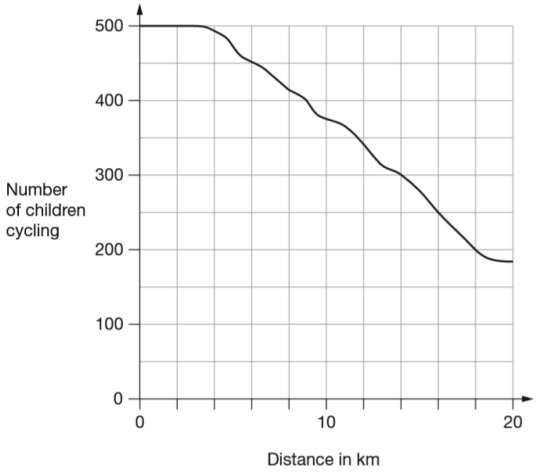
0.47	10	100	1000	4.07

Use <u>four</u> of the cards to complete these calculations.

47 ÷ ☐ = ☐

☐ × ☐ = 40.7

Q19. 500 children started a 20 kilometre sponsored cycle ride.
This graph shows how far they cycled.

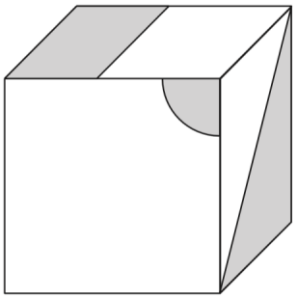


At what distance were exactly half of the children still cycling?

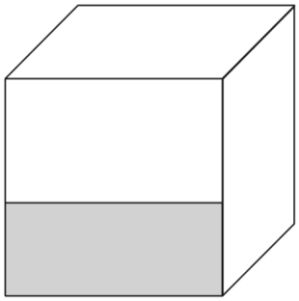
Estimate how many children completed the 20 kilometre cycle ride.

Q21. Calculate 544 ÷ 32

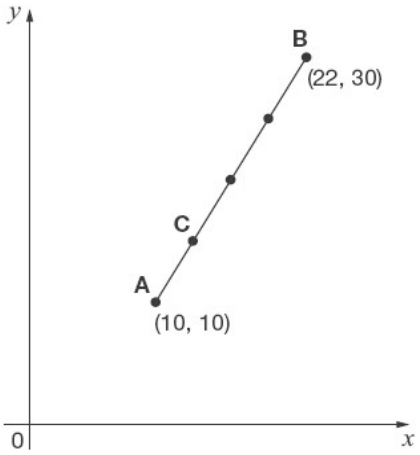
Q22. This cube has shapes drawn on three of its faces.



The cube is turned to look like this.
Draw and shade the missing shapes.

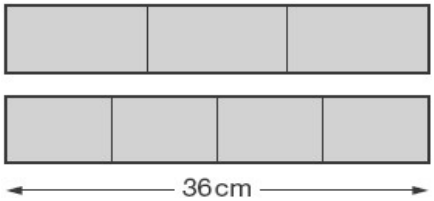


Q23. A and B are joined by a straight line on coordinate axes.

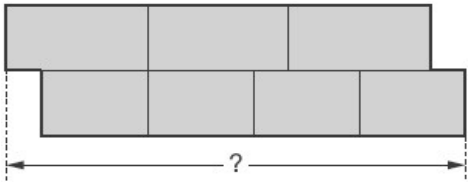


The dots on the line are equally spaced. What are the coordinates of C?

Joe has two strips of card. Each strip is 36 centimetres long. One strip is divided into three equal parts. The other strip is divided into four equal parts.

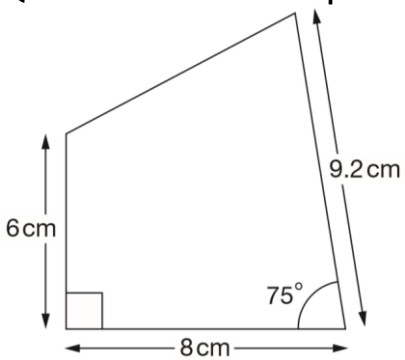


Joe uses the two strips to make this shape.



What is the total length of Joe's shape?

Q24. Here is a sketch of a quadrilateral. It is not drawn to scale.



Draw the full-size quadrilateral accurately below. Use a protractor (angle measurer) and a ruler. Two of the lines have been drawn for you.