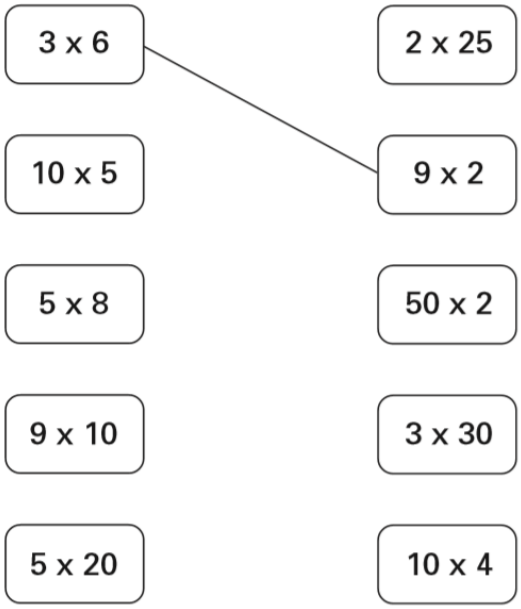
Q1. Each card on the left matches one on the right.
Draw lines to match the cards which are equal in value.
One has been done for you.

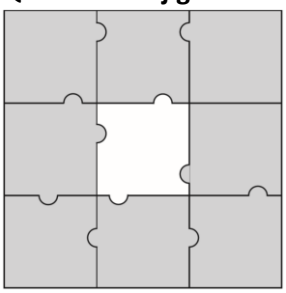


Q2. Write in the missing numbers.

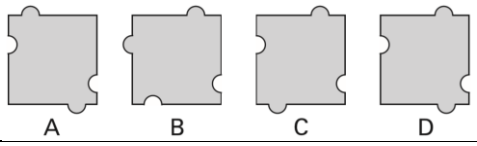
150 + ☐ = 500

172 − ☐ = 60

Q3. Here is a jigsaw with one piece missing.

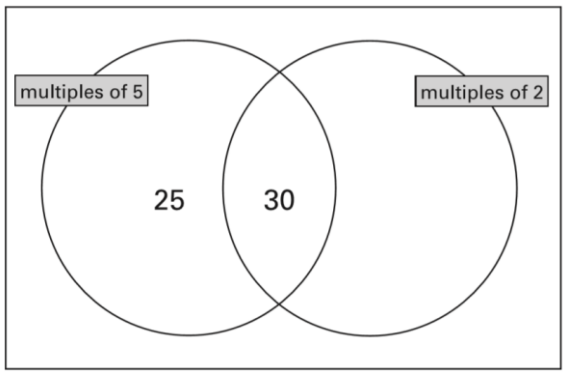


Which one of the pieces below fits the hole in the middle?



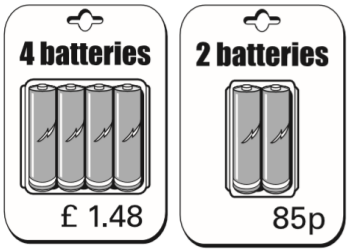
Q4. Write each of these numbers in its correct place on the sorting diagram.

40 8 15



Q5. Calculate 369 + 251

Q6. A shop sells batteries in packs of four and packs of two.



Simon and Nick want two batteries each. They buy a pack of four and share the cost equally. How much does each pay?

Mary buys 2 packs of two batteries.
Hamid buys 1 pack of four.
How much more does Mary pay than Hamid?

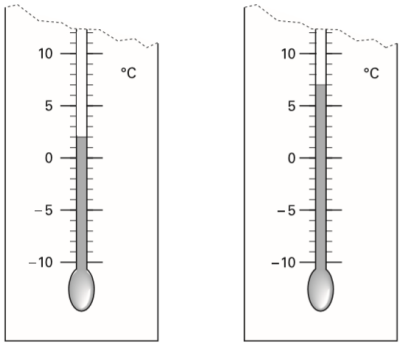
Q7. This table shows the numbers of children who went walking, sailing or climbing at an outdoor centre.

	May	June	July
walking	25	80	75
sailing	15	42	50
climbing	18	27	23

How many children went sailing in May, June and July altogether?

How many more children went walking in June than climbing in June?

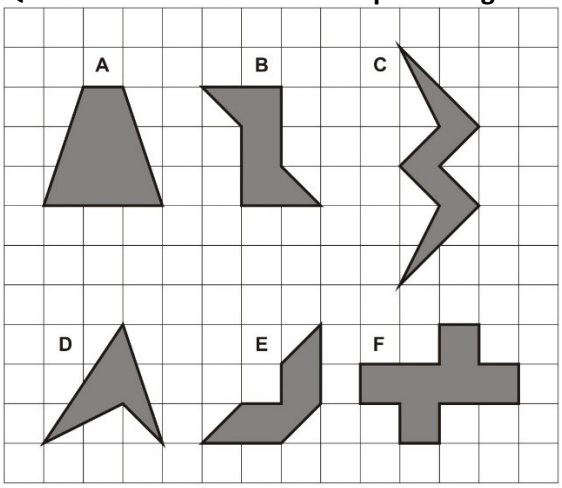
Q8. These are the temperatures in York and Rome on a day in winter.



How many degrees colder is it in York than in Rome?

On another day, the temperature in York is 4'C
Rome is 7 degrees colder than York.
What is the temperature in Rome?

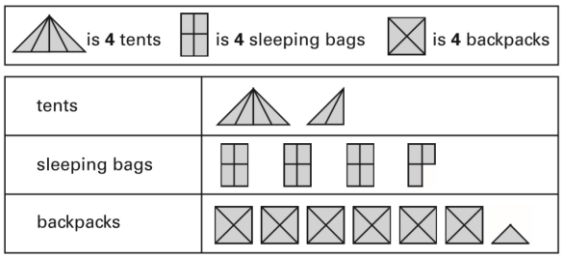
Q9. Here are some shaded shapes on a grid.



Which three shapes have reflective symmetry?

Q10. A camping shop sells tents, sleeping bags and backpacks. This chart shows how many of each they sold in June.

Items sold in June



The shop had 20 sleeping bags at the beginning of June.
How many of these sleeping bags did the shop have left at the end of June?

In July, the shop sold three times as many tents as in June.
How many tents did the shop sell in July?

Q11. Circle two numbers which add to make 0.12

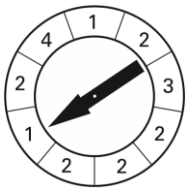
0.1	0.5	0.05
0.7	0.07	0.2

Q12. Leon and Sara each started with different numbers.
Leon says, 'I added 5 to my number.'
Sara says, 'I subtracted 8 from my number.'
Leon and Sara both get the same answer.
What numbers could they have started with?

Leon ☐ Sara ☐

Q13. Calculate ¾ of 840

Q14. This spinner is divided into nine equal sections.



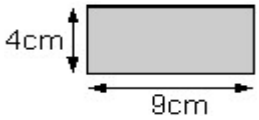
Which two different numbers on the spinner are equally likely to come up?

Meera says, '2 has a greater than even chance of coming up.'
Explain why she is correct.

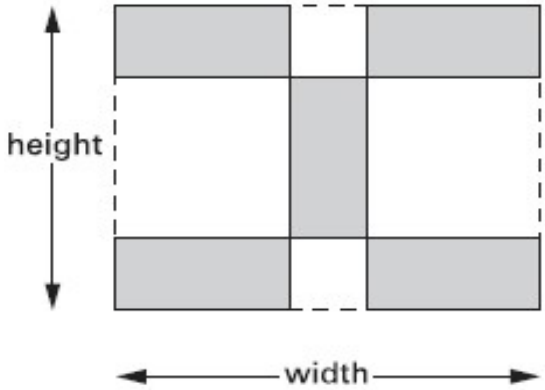
Q15. Peanuts cost 60p for 100 grams.
What is the cost of 350 grams of peanuts?

Raisins cost 80p for 100 grams.
Jack pays £2 for a bag of raisins.
How many grams of raisins does he get?

Q16. Kate has some rectangles.
Each one is 4 centimetres by 9 centimetres.



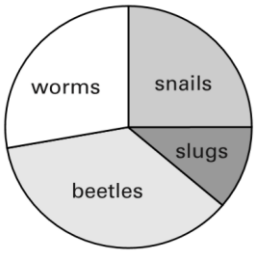
She makes a design with them.



Calculate the width and height of her design.

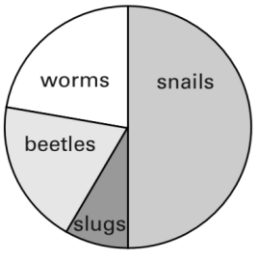
Q17. Tony and Gemma looked for snails, worms, slugs and beetles in their gardens. They each made a pie chart of what they found.

Tony's pie chart



Total 80

Gemma's pie chart



Total 36

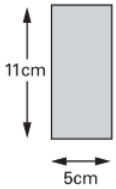
Estimate the number of worms that Tony found.

Who found more snails?
Explain how you know.

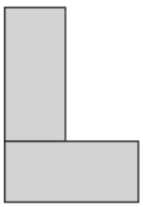
Q18. Circle two different numbers which multiply together to make 1 million.

10 100 1000 10000 100000

Q19. Liam has two rectangular tiles like this.



He makes this L shape.



What is the perimeter of Liam's L shape?

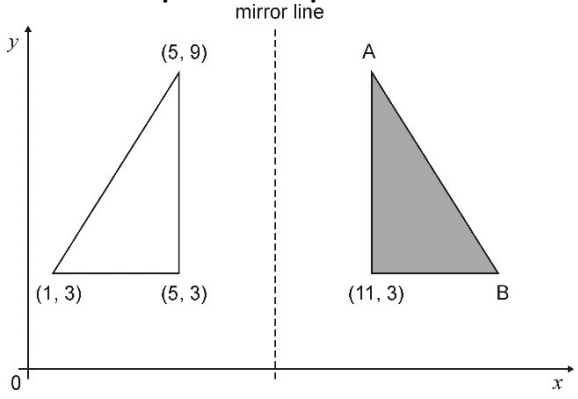
Q20. This sequence of numbers goes up by 40 each time.

40 80 120 160 200 …

This sequence continues.
Will the number 2140 be in the sequence?
Explain how you know.

Q21. Calculate 8.6 – 3.75

Q22. The shaded triangle is a reflection of the white triangle in the mirror line. Write the co-ordinates of point A and point B.



Q23. Leila knows that
65 x 3 = 195
Explain how she can use this information to find the answer to this multiplication: 165 x 3