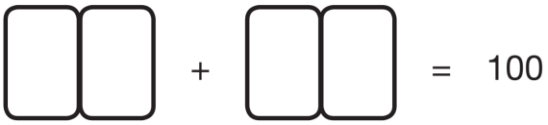
Q1. Circle the time that is 30 minutes before midnight.

12:30am 12:30pm 11:30am

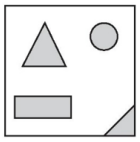
11:30pm 3am

Q2. Here are four digit cards.

Use all four digit cards to make this sum correct.

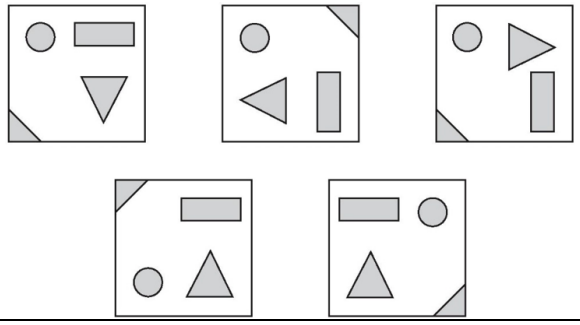


Q3. Stefan makes this design on a square tile.



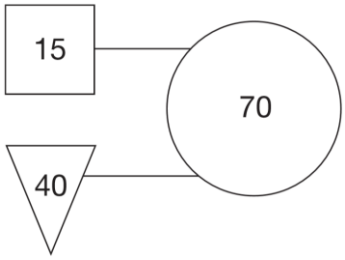
He turns the tile.

Put a tick on the tile below that has the same design as Stefan's tile.

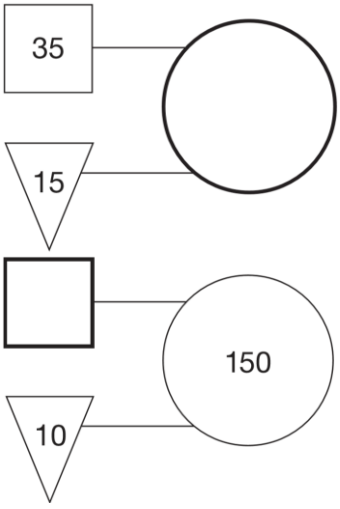


Q4. In this diagram the rule is:

'double the number in the square and add the number in the triangle to make the number in the circle.'



Use the same rule to write in the missing numbers below.



Q5. This table shows where 100 people went on holiday in 2007 and 2008.

	2007	2008
Spain	18	26
England	38	17
Scotland	21	13
Wales	19	28
USA	4	16

How many more people went to Wales than to Scotland in 2008?

Which country had the greatest increase in visitors from 2007 to 2008?

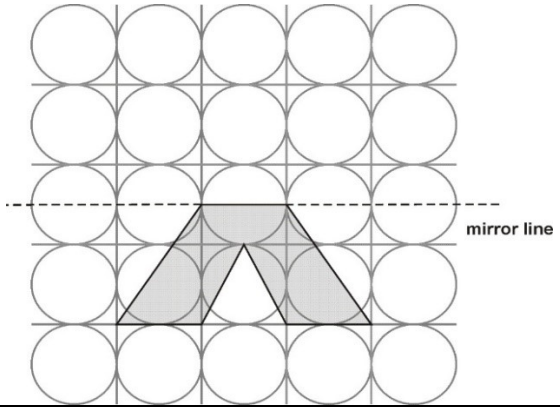
Q6. One battery weighs the same as 60 paperclips.

One pencil sharpener weighs the same as 20 paperclips. How many pencil sharpeners weigh the same as one battery?

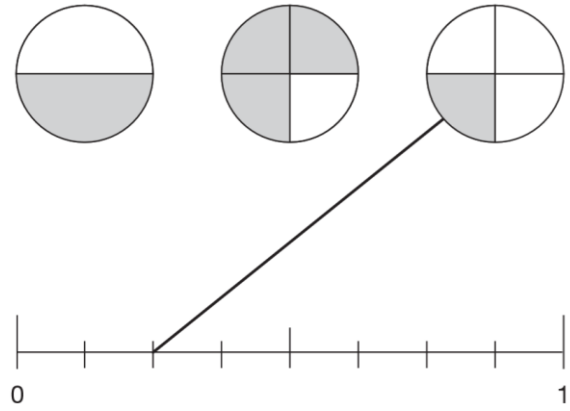
How many paperclips weigh the same as 2 batteries and 4 pencil sharpeners together?

Q7. Calculate 48 ÷ 3

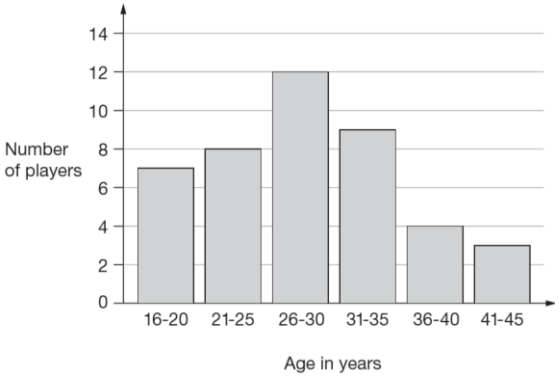
Q8. Draw the reflection of the shaded shape in the mirror line.



Q9. A fraction of each shape is shaded.
Match each fraction to the correct place on the number line.
One has been done for you.



Q10. This graph shows the age of players at a football club.



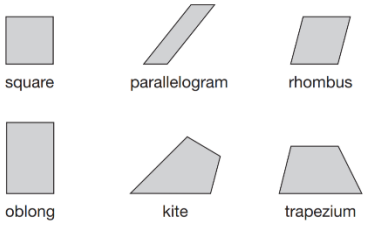
How many players are aged 30 or younger?

A player aged 36 and a player aged 39 join the club. Add this information to the graph.

Q11. Amir and Lara buy some fruit.
grapes - £2.50 for 1 kilogram
peaches - £1.99 for a box
pineapples - £1.40 each
Amir buys 2 pineapples and a box of peaches.
How much does he pay?

Lara buys half a kilogram of grapes and one pineapple.
How much change does she get from £5?

Q12. Amir says, 'All numbers that end in a 4 are multiples of 4.'
Is he correct? Explain how you know.



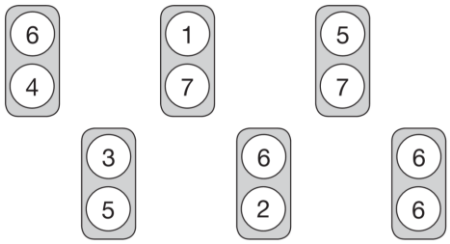
Q13. Here are six quadrilaterals. Lara chooses one of the quadrilaterals. She says, 'It has two acute angles. All four sides are the same length.' Which quadrilateral did Lara choose?

Stefan chooses one of the quadrilaterals. He says, 'It has more than one obtuse angle. It has no parallel sides.' Which quadrilateral did Stefan choose?

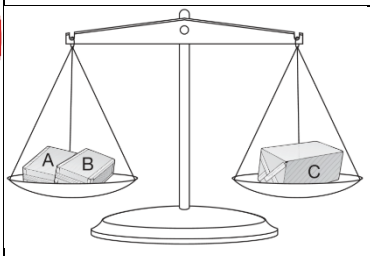
Q14. Circle two decimals that have a difference of 0.5

0.2 0.25 0.4 0.45 0.6 0.75

Q15. Each of these cards has two numbers on it.



Stefan chooses one card without looking.
He adds the two numbers together.
What is the most likely total of the numbers on his card?

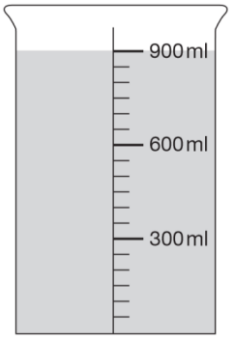


Q17. Amir has three parcels. Parcels A and B together weigh the same as parcel C. The three parcels weigh 800 grams altogether.
Parcel A weighs 250g.
How much does parcel B weigh?

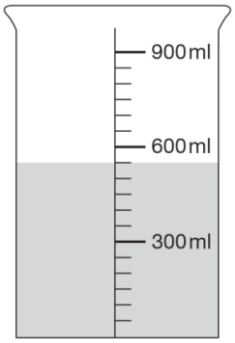
Q18. Write all the numbers between 50 and 100 that are factors of 180

Q19. Calculate 602 × 57

Q16. This container has 900 millilitres of water in it.

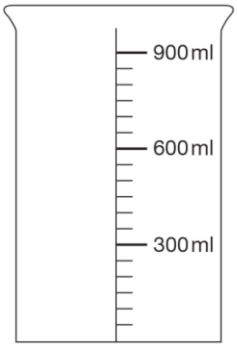


Lara pours out some water so that it looks like this.

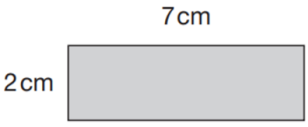


How much water has Lara poured out?

Then she pours out another 150ml of water. Draw an arrow to show the new level of the water.



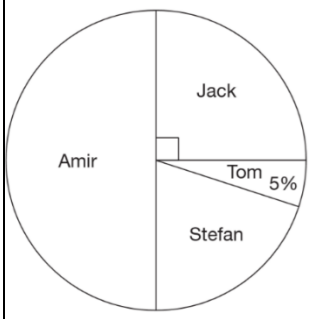
Q20. Lara has some identical rectangles. They are 7 centimetres long and 2 centimetres wide.



She uses five of her rectangles to make the large rectangle below.

What is the perimeter of the large rectangle?

What is the area of the large rectangle?



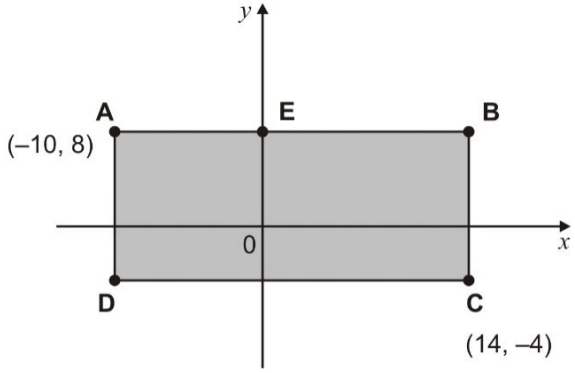
Q21. 40 children predicted who would win the boys' race at sports day. This pie chart shows their predictions.
What percentage of the children predicted that Stefan would win?

10 children predicted the winner of the race correctly.
Who won the race? Explain how you know.

Q22. Two of the fractions below are equivalent. Circle them.

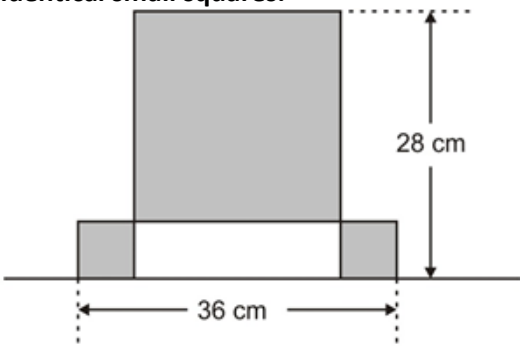
$\frac{2}{3}$ $\frac{6}{10}$ $\frac{9}{12}$ $\frac{10}{15}$ $\frac{16}{20}$

Q23. ABCD is a rectangle drawn on coordinate axes.



The sides of the rectangle are parallel to the axes.
What are the coordinates of D and E?

Q24. This design has one large square and two identical small squares.



The design measures 36 centimetres by 28 centimetres. Calculate the length of a side of the large square.