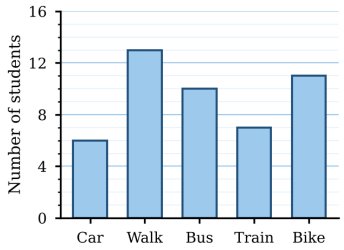
Day 140 **C Tier 10-a-day**

1 A tap fills a bath at 20 litres each minute.
How many minutes does it take to reach 140 litres?

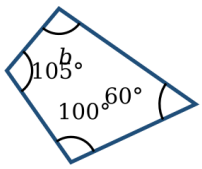
2 Which of these means 7 added to x?

$7x$, x^2, $x + 7$, $\frac{x}{7}$

3 The bar chart shows the ways some students travel to school.
Work out the total number of students.



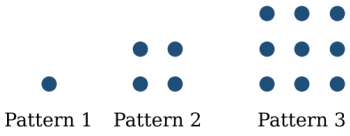
4 The diagram shows a quadrilateral.
Work out the size of angle b.
The diagram is not drawn accurately.



5 Write $\frac{1}{4}$ as a percentage.

Day 140 **C Tier 10-a-day**

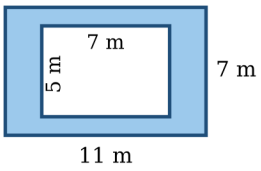
6 The diagram shows the first three patterns in a sequence made by Zoe.
Each pattern is made from counters.
How many counters are in Pattern 4?



7 Bearings are measured clockwise from north.
Write down the three-figure bearing of
(a) north-east
(b) south-west

8 The temperatures in five towns are shown (in °C).
3, 6, 1, −3, 4
Write them in order, starting with the highest.

9 The diagram shows a rectangle with a smaller rectangle cut out of it.
Work out the area of the shaded part.
The diagram is not drawn accurately.



10 Work out the value of 4a + 9 when a = 5.