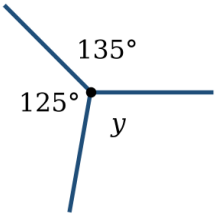
Day 81	C Tier 10-a-day
1 A cyclist is facing east. A cyclist turns 90° anticlockwise. Which direction is the cyclist facing now?	
2 The temperature is −3°C. It rises by 11°C. What is the new temperature?	
3 The diagram shows 3 angles round a point. Work out the size of angle y. The diagram is not drawn accurately. 	
4 Here are the shoe sizes of some students. 7 8 3 9 3 5 3 4 4 5 Write down the mode.	
5 Write these numbers in order, starting with the smallest. 0.5, 0.45, 0.41, 0.35	

Day 81 **C Tier 10-a-day**

6 Zoe thinks of a number.
Zoe divides it by 9.
The answer is 6.
What number did Zoe think of?

7 Work out $-5 + 12$.

8 A cube has sides of length 3 cm.
(a) Work out the volume of the cube.
(b) Work out the total surface area of the cube.

9 A spinner has four colours.
The table shows the probability of each colour.
The probabilities add up to 1.
Work out the missing probability.

Colour	Red	Blue	Green	Yellow
Prob.	0.5	0.2	0.2	?

10 There are x pencils in each box.
8 boxes hold 40 pencils in total.
(a) Write down an equation using x.
(b) Solve your equation to find how many pencils are in each box.