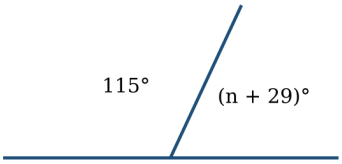
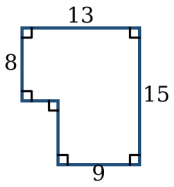
Day 190 **B Tier 10-a-day**

1 The diagram shows 2 angles on a straight line.
Work out the value of n.
The diagram is not drawn accurately.



2 Zain has 6 shirts, 5 pairs of trousers and 4 jumpers.
An outfit is one shirt, one pair of trousers and one jumper.
How many different outfits can be made?

3 The diagram shows the shape of a kitchen floor.
All the corners are right angles. All lengths are in m.
(a) Calculate the perimeter.
(b) Calculate the area.



4 Use the fact that 48 × 19 = 912
to work out
(a) 4800 × 19
(b) 9.12 ÷ 4.8

5 The mean of 5 numbers is 8.
Four of the numbers are 2, 2, 10, 13.
Work out the other number.

Day 190	B Tier 10-a-day
6 (a) Write $\frac{9}{25}$ as a decimal. (b) Write $\frac{7}{11}$ as a recurring decimal. For part (b), write down the first 8 decimal places and say which digits repeat.	
7 A cyclist travels at 27 km/h. Work out its speed in metres per second.	
8 A drum has radius 4 m and height 4 m. Work out its volume. Give your answer in terms of π.	
9 Solve the simultaneous equations $2x + 3y = -10$ $3x - 3y = 0$	
10 Solve $9x + 6 = 18$ Give your answer as a fraction in its simplest form.	