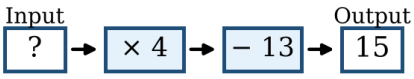
Day 176	C Tier 10-a-day

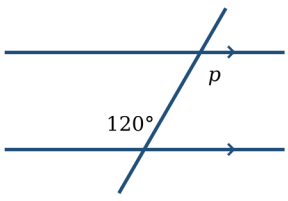
1 Write down a third of 54.

2 The radius of a plate is 11 cm.
Work out the diameter.

3 Here is a function machine.
The output is 15.
Work out the input.



4 Two parallel lines are crossed by a straight line.
Work out the size of angle p.
Give a reason for your answer.



5 Here are the marks in a test.
16 9 4 15 8 15 13 4
Work out the median.

Day 176	C Tier 10-a-day
6 Work out $\frac{3}{7} + \frac{1}{7}$.	
7 On a map, 1 cm represents 10 km. Two towns are 40 km apart in real life. How far apart are they on the map?	
8 A square has sides of length 5 cm. It is enlarged by scale factor 2. Work out the length of a side of the enlarged square.	
9 A bag contains 8 black sweets, 6 yellow sweets and 6 blue sweets. One is taken at random. Write down the probability that it is not blue.	
10 There are x children in a club. 9 children leave. There are now 15 children in the club. (a) Write down an equation using x. (b) Solve your equation to find how many children were in the club at first.	