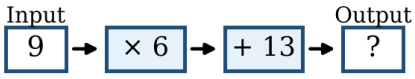
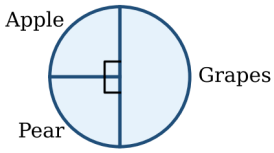
Day 364 **C Tier 10-a-day**

1 Here is a function machine.
Work out the output when the input is 9.



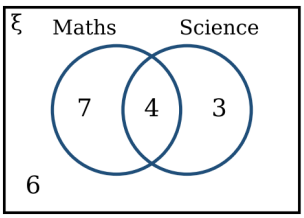
2 36 students were asked about their favourite fruit.
The pie chart shows the results.
How many students chose Pear?



3 Write down the number of lines of symmetry of
(a) a kite
(b) a regular octagon

4 Round £1.95 to the nearest pound.

5 Here is a rule to work out the fare for a taxi journey.
Fare (£) = 4 × number of miles + 15
Work out the fare for a journey of 3 miles.

Day 364	C Tier 10-a-day
6 A bus journey starts at 3:00 pm. It lasts for 1 hour 15 minutes. At what time does it finish?	
7 Chloe wants to find out how many people eat fast food. Chloe asks people outside a fast food restaurant. Give a reason why this sample may be biased.	
8 Each coach holds 20 people. 47 people need a lift. How many coaches are needed?	
9 Some students were asked whether they like maths or science. The Venn diagram shows the results. How many students like maths? 	
10 A right angle is split into two angles by a line. Work out the size of angle y. The diagram is not drawn accurately. 