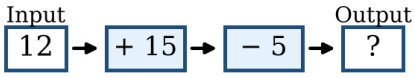
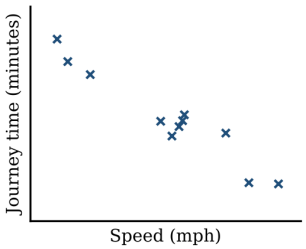
Day 132	C Tier 10-a-day
1 How many minutes are there in 8 hours?	
2 Here is a function machine. Work out the output when the input is 12. 	
3 A cyclist is facing south. A cyclist turns 270° clockwise. Which direction is the cyclist facing now?	
4 Here is a scatter graph of journey time against speed. Describe the correlation. 	
5 A toy box holds 1 cm cubes in layers. Each layer is 3 cubes long and 2 cubes wide. There are 2 layers. How many cubes are there altogether?	

Day 132 **C Tier 10-a-day**

6 A car travels at 40 mph for 3 hours.
How far does it travel?

7 Matchsticks are used to make a pattern of triangles.
The diagram shows the first three patterns.
How many matchsticks are needed for
(a) Pattern 4
(b) Pattern 9



Pattern 1 Pattern 2 Pattern 3

8 Find the smallest number that is a multiple of both 4 and 5.

9 A rectangular hall floor is 3 m long and 7 m wide.
Flooring costs £10 per m^2.
Work out the cost of covering the hall floor.

10 The stem and leaf diagram shows the ages, in years, of people in a club.
Write down the largest value.

Stem	Leaf
1	5
2	5 6
3	3 4
4	0 6 7 7 7

Key: 1 | 5 means 15