Day 356 **C Tier 10-a-day**

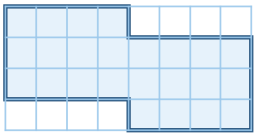
1 Here are the first four terms of a sequence.
25, 28, 31, 34
Write down the next term.

2 The table shows the number of sandwiches each day.
Work out the total number of sandwiches on Wednesday and Friday.

Mon	Tue	Wed	Thu	Fri
12	26	13	17	24

3 A bag contains 7 blue and 5 red marbles.
One is taken at random.
Write down the probability that it is red.

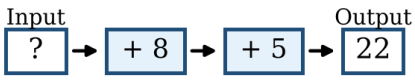
4 The diagram shows a shape drawn on a square grid.
Each square has an area of 1 m^2.
Work out the area of the shape.



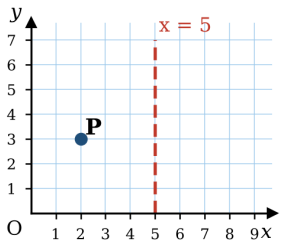
5 Estimate the value of 78 + 79 by rounding each number to the nearest 10.

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6 Here is a function machine.
The output is 22.
Work out the input.



7 The point P is drawn on the grid.
P is reflected in the line x = 5.
Write down the coordinates of the image of P.



8 30 students were asked about their way of travelling to school.
3 of them walk to school.
The results are shown in a pie chart.
Work out the angle of the sector for those students.

9 There are x children in a club.
10 children leave.
There are now 10 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.

10 Each van holds 25 people.
97 people need a lift.
How many vans are needed?