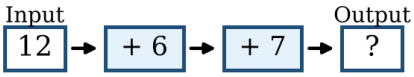
Day 211 **C Tier 10-a-day**

1 Here are the first four terms of a sequence.
3, 9, 27, 81
(a) Write down the next term.
(b) Write down the rule for finding the next term.

2 Change
(a) 6 km into m
(b) 4000 m into km

3 Here is a function machine.
Work out the output when the input is 12.



4 All three angles in an equilateral triangle are equal.
Work out the size of one angle.

5 The table shows part of a bus timetable.
How long does Bus 2 take to travel from School to Station?

Bus stop	Bus 1	Bus 2	Bus 3
Library	07:20	07:50	08:20
Park	07:35	08:05	08:35
School	07:45	08:15	08:45
Station	08:00	08:30	09:00

Day 211	C Tier 10-a-day
6 Here is a rule to work out the cost of hiring a bike. Cost (£) = 2 × number of hours + 12 Work out the cost of hiring a bike for 3 hours.	
7 Work out 70 × 3.	
8 The stem and leaf diagram shows the ages, in years, of people in a club. Write down the smallest value. **Stem** | **Leaf** 3 | 0 5 4 | 0 0 1 8 5 | 3 5 5 Key: 3 | 0 means 30	
9 Here are four digit cards: [1] [4] [7] [9] Use all four cards to make the largest possible 4-digit number.	
10 120 students were asked about their favourite sport. 29 of them chose football. The results are shown in a pie chart. Work out the angle of the sector for those students.	