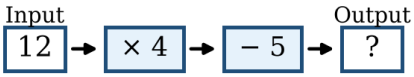
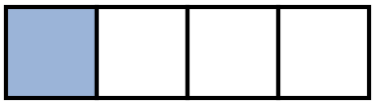
Day 282	C Tier 10-a-day
1 Here is a function machine. Work out the output when the input is 12. 	
2 What fraction of the shape is shaded? 	
3 A triangle has sides of length 12 cm, 12 cm and 12 cm. What type of triangle is it?	
4 A fair 8-sided dice numbered 1 to 8 is rolled. Write down the probability of rolling (a) an even number (b) a number greater than 5	
5 A film starts at 9:55 am. It lasts 10 minutes. At what time does the film finish?	

Day 282 **C Tier 10-a-day**

6 A bag has four colours.
The table shows the probability of each colour.
The probabilities add up to 1.
Work out the missing probability.

Colour	Red	Blue	Green	Yellow
Prob.	0.5	0.15	0.15	?

7 Find the missing number.
$6 \times ? = 66$

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

Stem	Leaf
2	1 4 4 6 7
3	0 5 8 9
4	0 1 3 6 7

Key: 2 | 1 means 21

9 $y = 6$ and $z = 5$
Work out the value of
(a) $y + 3z$
(b) yz

10 A rectangular field is 15 m long and 9 m wide.
Fencing costs £8 per metre.
Work out the cost of putting fence all the way round the field.