Day 257	C Tier 10-a-day
1 Work out the value of 8m when m = 2.	
2 Change 2 days into hours.	
3 A machine makes 4 bottles each hour. How many hours does it take to reach 16 bottles?	
4 Work out 7.2 − 1.9.	
5 A bag contains 1 red, 8 blue and 5 purple marbles. One is taken at random. Write down the probability that it is blue.	

Day 257	C Tier 10-a-day
6 A rectangular wall has an area of 132 m^2. Its length is 12 m. Work out its width.	
7 Write these numbers in order, starting with the smallest. 0.25, 0.31, 0.4, 0.35	
8 A is the point (0, −1). B is the point (0, 1). Work out the coordinates of the midpoint of AB.	
9 45 students were asked about their favourite fruit. 6 of them chose bananas. The results are shown in a pie chart. Work out the angle of the sector for those students.	
10 There are x children in a club. 4 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.	