Day 242	B Tier 10-a-day
1 Jasmine buys 4 pens at £2.30 each and 2 sandwiches at 45p each. She pays with a £50 note. Work out how much change she gets.	
2 Solve $8n - 4 = 76$	
3 Here are four digit cards. 9 3 7 5 Use all four cards to make the largest possible number. Work out the difference between the largest and smallest possible numbers.	
4 A railway line is 80 m long. It is drawn on a map with scale 1 : 1000. Work out the length of the railway line on the map, in cm.	
5 The number of members of a club goes from 800 to 520. Work out the percentage decrease.	

Day 242 **B Tier 10-a-day**

6 A point P is always exactly 8 m from a sprinkler, L.
Describe the locus of the point P.

7 £1 = 1.25 euros
A holiday costs €75.
Work out the cost in pounds.

8 Simplify fully $\frac{6x + 36}{6}$

9 The table shows some information about 82 students.
A person is chosen at random.
Find the probability that the person is in the group "Girls" and chose "Walk".

	Walk	Bus	Total
Boys	14		43
Girls		22	
Total			82

10 The ratio of red to blue counters in a bag is 7 : 1.
What fraction of them are red?