Day 209	B Tier 10-a-day
1 What fraction of £7.50 is 40p? Give your answer in its simplest form.	
2 A gym charges a joining fee of £10 and £11 for each month of membership. (a) Work out the total cost for 3 months. (b) The total cost is £76. Work out the number of months.	
3 The ratio of adults to children at a concert is 6 : 5. What fraction of them are adults?	
4 Solve $\frac{6x}{5} + 4 = 52$	
5 Each exterior angle of a regular polygon is 15°. Work out the number of sides of the polygon.	

Day 209	B Tier 10-a-day
6 £1 = 1.2 Swiss francs A holiday costs 120 francs. Work out the cost in pounds.	
7 The price of a laptop is £60. The price is first reduced by 40%, then the new price is reduced by 5%. (a) Work out the final price. (b) Work out the overall percentage decrease in the price.	
8 Work out the gradient of the straight line that passes through the points (2, −3) and (5, −7).	
9 Triangle ABC is isosceles with AB = AC = 17 m. (Calculator) The base BC = 22 m. Work out the size of angle ABC. Give your answer correct to 1 decimal place.	
10 A lorry travels at 30 km/h for 3 hours and then at 24 km/h for 1 hour. Work out its average speed for the whole journey.	