Day 207	B Tier 10-a-day
1 Chloe buys 4 magazines at £2.85 each and 2 pens at £1.35 each. She pays with a £20 note. Work out how much change she gets.	
2 Work out the size of one interior angle of a regular octagon.	
3 A gym charges a joining fee of £39 and £10 for each month of membership. (a) Work out the total cost for 4 months. (b) The total cost is £119. Work out the number of months.	
4 A cuboid has volume 168 cm^3. The length of the cuboid is 7 cm and the width is 6 cm. Work out the height of the cuboid.	
5 Work out the value of this expression. (Calculator) $\frac{2.2^3}{7.6}$ Give your answer correct to 3 significant figures.	

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6 Simplify fully $\frac{6x + 12}{2}$	
7 Two fair six-sided spinners are spun. Work out the probability that the total score is less than 5.	
8 A water tank is $\frac{1}{3}$ full. 55 litres of water are added. The water tank is now $\frac{1}{2}$ full. Work out the capacity of the water tank.	
9 A bag contains 6 red counters and 6 blue counters. Ella takes one at random, replaces it, then takes a second. Work out the probability that the two are the same colour.	
10 Find the length of x. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	