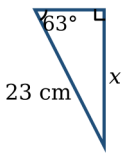
Day 274	B Tier 10-a-day
1 (a) Write 8:10 pm using the 24-hour clock. (b) Write 15:55 using am or pm.	
2 Simplify $3p - q - 2p - 6q$	
3 Write the ratio 1.8 m : 480 cm in its simplest form.	
4 Here is a number machine. Input → × 6 → + 3 → Output (a) The input is 11. Work out the output. (b) The output is 51. Work out the input.	
5 Work out the length of x. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	

Day 274	B Tier 10-a-day
6 Solve 5x + 1 = 12 Give your answer as a fraction in its simplest form.	
7 Nina's rent goes up by 25%. (Calculator) The new rent is £1000 a month. Work out the rent before the increase.	
8 The circumference of a circle is 32 m. (Calculator) Work out the diameter of the circle. Give your answer correct to 1 decimal place.	
9 In a sale, the price of a sofa is reduced by 50%. (Calculator) Two weeks later it is reduced by a further 50% of the new price. The final price is £100. Work out the original price of the sofa.	
10 £1 = 1.5 dollars A holiday costs $375. Work out the cost in pounds.	