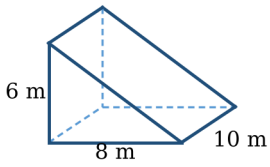
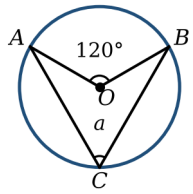
Day 56	B Tier 10-a-day
1 This prism has a right-angled triangle as its cross-section. Work out the volume of the prism. The diagram is not drawn accurately.  	
2 The probability that it will rain on Saturday is 0.9. Work out the probability that it will not rain on Saturday.	
3 Here are the first four terms of a sequence. 32, 30, 28, 26 Find an expression, in terms of n, for the nth term of this sequence.	
4 Use the fact that 16 × 17 = 272 to work out (a) 1.6 × 17 (b) 27,200 ÷ 160	
5 Maya earns £18 per hour for the first 32 hours worked each week. Any extra hours are paid at double time. Last week Maya worked 37 hours. Work out Maya's total pay for last week.	

Day 56	B Tier 10-a-day
6 Solve $11 - 2x = 4x + 17$	
7 A, B and C are points on a circle, centre O. Angle AOB = 120°. Work out the size of angle ACB, marked a. Give a reason for your answer. The diagram is not drawn accurately. 	
8 Priya invests £5000 in a savings account. (Calculator) The account pays 5% compound interest per year. Work out the amount in the account after 2 years. Give your answer to the nearest penny.	
9 A bag contains 4 red counters and 6 blue counters. Isla takes one at random and does not replace it, then takes a second. Work out the probability that the two are different colours.	
10 Factorise $y^2 - 121$	