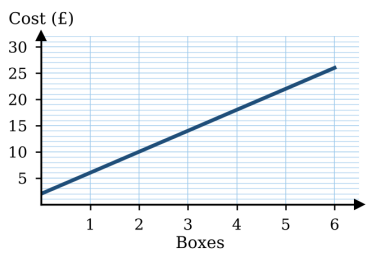
Day 161	B Tier 10-a-day
1 Triangle XYZ is isosceles with XY = XZ. Angle YXZ = 70°. Work out the size of angle XYZ.	
2 Work out 475 × 35	
3 Factorise 2x + 4	
4 30 students were asked. 8 of them play football and 16 of them play tennis. 2 of them did both. (a) How many did neither? (b) One is chosen at random. Find the probability that they play football but do not play tennis.	
5 A printing company charges a set-up fee plus a cost for each box of leaflets. The graph shows the total cost. (a) Write down the fixed charge. (b) Work out the cost for each box.  	

Day 161	B Tier 10-a-day
6 Write each number as an ordinary number. (a) 1.3×10^{6} (b) 9.3×10^{-3}	
7 Write as a single fraction $\frac{x}{3} + \frac{x}{4}$	
8 A bag contains 5 black socks and 7 white socks. Liam takes one at random, replaces it, then takes a second. Work out the probability that the two are the same colour.	
9 An isosceles trapezium has parallel sides of length 28 cm and 4 cm. Each sloping side is 13 cm long. (a) Work out the perpendicular height of the trapezium. (b) Work out the area of the trapezium.	
10 In a sale, the price of a sofa is reduced by 40%. (Calculator) Two weeks later it is reduced by a further 25% of the new price. The final price is £360. Work out the original price of the sofa.	