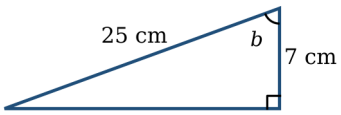
Day 174	B Tier 10-a-day
1 Here are the first four terms of a sequence. 45, 40, 35, 30 (a) Write down the next two terms. (b) Describe the rule for continuing the sequence.	
2 The probability that it will rain on Saturday is 0.45. Work out the probability that it will not rain on Saturday.	
3 A cereal box measures 3 cm by 4 cm by 5 cm. Work out the total surface area.	
4 Find the (a) highest common factor (HCF), (b) lowest common multiple (LCM) of 20 and 45.	
5 A rectangle is 6 m long and 10 m wide. It is enlarged by scale factor 4. (a) Write down the length and width of the enlarged rectangle. (b) Work out the perimeter of the enlarged rectangle.	

Day 174	B Tier 10-a-day
6 A straight line has equation $y = -5x + 10$ (a) Write down the coordinates of the point where the line crosses the y-axis. (b) Work out the coordinates of the point where the line crosses the x-axis.	
7 Work out the size of angle b. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	
8 Ravi invests £800 for 4 years. The account pays 2% simple interest per year. (a) Work out the interest earned each year. (b) Work out the total amount in the account after 4 years.	
9 A bag contains 2 mint sweets and 2 toffee sweets. Amy takes one at random and does not replace it, then takes a second. Work out the probability that both are mint.	
10 In a sale, the price of a sofa is reduced by 20%. (Calculator) Two weeks later it is reduced by a further 5% of the new price. The final price is £304. Work out the original price of the sofa.	