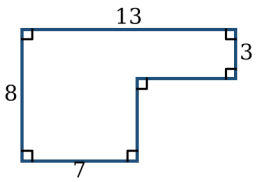
Day 76	B Tier 10-a-day
1 Work out (a) 80% of £240 (b) 20% of 60	
2 A hire company charges £16 plus £2 for each day a van is hired. (a) Work out the total cost for 9 days. (b) The total cost is £28. Work out the number of days.	
3 In a survey, 2 people chose hockey. There were 36 people in the survey altogether. The results are shown in a pie chart. Work out the angle for hockey.	
4 The diagram shows the shape of a car park. All the corners are right angles. All lengths are in m. (a) Calculate the perimeter. (b) Calculate the area. 	
5 Work out $1\frac{3}{4} \times 1\frac{1}{6}$ Give your answer as a mixed number.	

Day 76	B Tier 10-a-day
6 f(x) = 4x − 1 (a) Work out f(5) (b) Solve f(x) = 27	
7 60 frogs in a lake are caught, tagged and returned to the lake. Later, a sample of 50 frogs is caught and 8 of them are tagged. Estimate the total number of frogs in the lake.	
8 A cube has side length 9 cm. Work out the total surface area of the cube.	
9 Kofi's rent goes up by 15%. (Calculator) The new rent is £92 a month. Work out the rent before the increase.	
10 A drum has radius 10 cm and height 13 cm. It is closed. Work out the total outside surface area. Give your answer in terms of π.	