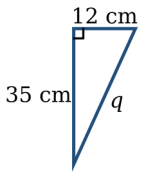
Day 153	B Tier 10-a-day
1 Write these numbers in order of size. Start with the smallest number. 5.2, 5.33, 5.227, 5.22	
2 Here are the first four terms of a sequence. 6, 9, 14, 21 (a) Write down the next two terms. (b) Describe the rule for continuing the sequence.	
3 A rectangle is 3 cm long and 8 cm wide. It is enlarged by scale factor 3. (a) Write down the length and width of the enlarged rectangle. (b) Work out the perimeter of the enlarged rectangle.	
4 Here are four digit cards. 4 5 6 2 Use all four cards to make the largest possible even number.	
5 The first term of a sequence is 1. The term-to-term rule is: double the term, then add 1. Work out the 5th term.	

Day 153 **B Tier 10-a-day**

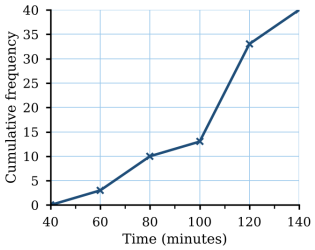
6 Calculate the length of q.
The diagram is not drawn accurately.



7 £2,500 is invested for 2 years at 2% compound interest per year. (Calculator)
Work out the total interest earned.

8 Triangle ABC is isosceles with AB = AC = 5 m.
The base BC = 8 m.
(a) Work out the perpendicular height of the triangle.
(b) Work out the area of the triangle.

9 The cumulative frequency graph shows the times taken by 40 students to complete a puzzle.
(a) Use the graph to estimate the median.
(b) Work out an estimate for the interquartile range.



10 3 apples cost £1.65.
Work out the cost of 5 apples.