Day 215 **C Tier 10-a-day**

1 Here are the first four terms of a sequence.
57, 48, 39, 30
Write down the next term.

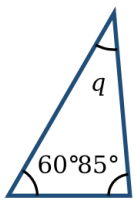
2 Write down all the odd numbers in this list.
49, 41, 40, 94, 62

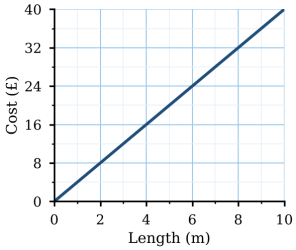
3 A rectangular pond is 4 m long and 8 m wide.
Edging costs £3 per metre.
Work out the cost of putting edging all the way round the pond.

4 The table shows some values of x and y.
(a) Write down the value of y when x = 1.
(b) Write down the value of x when y = 11.

x	1	2	3	4	5
y	7	9	11	13	15

5 The diagram shows a triangle.
Work out the size of angle q.
The diagram is not drawn accurately.



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6 The graph shows the cost of fabric. Use the graph to find the cost of 8 m of fabric.  	
7 The point P has coordinates $(-4, -2)$. P is reflected in the line $y = 1$. Write down the coordinates of the image of P.	
8 Each van holds 30 people. 77 people need a lift. How many vans are needed?	
9 120 students were asked about their favourite subject. 13 of them chose science. The results are shown in a pie chart. Work out the angle of the sector for those students.	
10 Solve $k - 2 = 20$	