## Y7 - Autumn - Block 1 - Step 2 - Predict and check next term(s) Answers

Question	Answer
1	a) 1, 3, 6 b) 10 c)
2	a) 3, 5, 7, 9 b) 11 c) 13
3	5 triangles and 16 lines  4th term  5th term
4	<ul> <li>a) Annie might think that the number of circles doubles each time. Dexter might think that 3 circles are added each time. Both could be correct.</li> <li>b) If we had 3 terms, we'd know if the rule was add 3 each time or double each time. This is because we could compare the difference on two occasions, rather than having to make a prediction using just 1 difference.</li> </ul>
5	Dora is not correct. In the 6 <sup>th</sup> diagram there will be 13 squares and not 14 squares.
6	a) 1, 2, 3 b) 10 c) 6, 10, 14 d) 42 e) 402
7	It's not possible to draw the 6 <sup>th</sup> term of the sequence as there would be no more squares left to reduce the vertical columns  4 <sup>th</sup> term  5 <sup>th</sup> term