WORKSHEET

Name: ..... Class: .....

Date: .....

MARK ____ / 18

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 Write the next three terms: 6, 11, 16, 21, ... (2)

2 Write the next three terms: 45, 38, 31, 24, ... (2)

3 Write the next three terms: 3, 9, 27, 81, ... (2)

4 Write the next three terms: 160, 80, 40, 20, ... (2)

5 Write the next two terms: 1, 4, 9, 16, 25, ... (2)

6 Write the next two terms: 1, 3, 6, 10, 15, … **(2)**

7 Write the next two terms: 1, 1, 2, 3, 5, 8, … **(2)**

8 A pattern of tiles gives 5, 9, 13, … How many tiles in the 5th shape? **(2)**

9 Is 2, 6, 18, 54 a constant-difference or constant-ratio pattern? Give the value. **(2)**

TOTAL: 18 marks

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