

**YEAR 5**

Number Sequences and Patterns

Find the jump between the first two numbers, then check it works for the next pair before you trust it. If the jump changes, look at how it changes.

Name: _____

Date: _____

Score: _____

Section A • Continue the sequence

The rule may be add, subtract, multiply or divide.

1 Write the next number: 4, 9, 14, 19, ...

2 Write the next number: 100, 88, 76, 64, ...

3 Write the next number: 2, 6, 18, 54, ...

4 Write the next number: 64, 32, 16, 8, ...

5 Write the next number: 1, 4, 9, 16, ...

6 Write the next number: 1, 1, 2, 3, 5, 8, ...

Section B • Missing numbers

Work from the numbers either side of the gap.

1 Find the missing number: 7, ____, 21, 28

2 Find the missing number: 3, 8, ____, 18, 23

3 Find the missing number: 5, ____, 15, 20

4 Find the missing number: 40, 34, ____, 22

5 Find the missing number: 96, 48, ____, 12

Section C • Rules and later terms

You do not have to write out every term to reach the 20th.

1 Describe the rule for this sequence: 6, 11, 16, 21

2 The sequence 3, 6, 9, 12 continues. What is the 10th term?

3 The sequence 4, 7, 10, 13 continues. What is the 20th term?

4 Write the next triangular number: 1, 3, 6, 10, ...

5 In the sequence 5, 9, 13, 17, ... which position does 41 come in?

6 A sequence starts at 2 and doubles each time. What is the 6th term?