Math worksheet on *'Sums - Series of Integers M to N - Summation Form to Addition (Level 1)'*. Part of a broader unit on *'Patterns and Sums - Advanced'*

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1 What addition does this summation form represent?

$$\sum_{n=15}^{24} n$$

- **a** 16 + 17 + ... + 23 + 24
- **b** 15 + 16 + ... + 24 + 25
- **c** 14 + 15 + ... + 23 + 24
- **d** 15 + 16 + ... + 22 + 23
- **e** 15 + 16 + ... + 23 + 24

2 What addition does this summation form represent?

$$\sum_{n=1}^{9} n$$

- **a** 0 + 1 + ... + 8 + 9
- **b** 2 + 3 + ... + 8 + 9
- **c** 1 + 2 + ... + 7 + 8
- **d** 1 + 2 + ... + 9 + 10
- **e** 1 + 2 + ... + 8 + 9

3 What addition does this summation form represent?

$$\sum_{n=5}^{10} n$$

- **a** 5 + 6 + ... + 8 + 9
- **b** 6 + 7 + ... + 9 + 10
- **c** 4 + 5 + ... + 9 + 10
- **d** 5 + 6 + ... + 10 + 11
- **e** 5 + 6 + ... + 9 + 10

4 What addition does this summation form represent?

$$\sum_{n=18}^{23} n$$

- **a** 18 + 19 + ... + 21 + 22
- **b** 17 + 18 + ... + 22 + 23
- **c** 18 + 19 + ... + 22 + 23
- **d** 18 + 19 + ... + 23 + 24
- **e** 19 + 20 + ... + 22 + 23

5 What addition does this summation form represent?

$$\sum_{n=11}^{16} n$$

- **a** 11 + 12 + ... + 16 + 17
- **b** 11 + 12 + ... + 14 + 15
- **c** 11 + 12 + ... + 15 + 16
- **d** 12 + 13 + ... + 15 + 16
- **e** 10 + 11 + ... + 15 + 16

6 What addition does this summation form represent?

$$\sum_{n=4}^{14} n$$

- **a** 3 + 4 + ... + 13 + 14
- **b** 4 + 5 + ... + 12 + 13
- **c** 4 + 5 + ... + 13 + 14
- **d** 4 + 5 + ... + 14 + 15
- **e** 5 + 6 + ... + 13 + 14

7 What addition does this summation form represent?

$$\sum_{n=16}^{21} n$$

- **a** 17 + 18 + ... + 20 + 21
- **b** 16 + 17 + ... + 20 + 21
- **c** 16 + 17 + ... + 19 + 20
- **d** 16 + 17 + ... + 21 + 22
- **e** 15 + 16 + ... + 20 + 21