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

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1 What equation in summation form would describe what this equation calculates?

$$\frac{24(24+1)}{2}$$

a $\sum_{n=2}^{24} n$ **b** $\sum_{n=1}^{24} n$ **c** $\sum_{n=1}^{25} n$

2 What equation in summation form would describe what this equation calculates?

$$\frac{21(21+1)}{2}$$

a $\sum_{n=0}^{21} n$ **b** $\sum_{n=1}^{21} n$ **c** $\sum_{n=1}^{21} n+1$

d $\sum_{n=2}^{21} n$

3 What equation in summation form would describe what this equation calculates?

$$\frac{23(23+1)}{2}$$

a $\sum_{n=2}^{23} n$ **b** $\sum_{n=1}^{24} n$ **c** $\sum_{n=0}^{23} n$

d $\sum_{n=1}^{23} n$ **e** $\sum_{n=1}^{22} n$

4 What equation in summation form would describe what this equation calculates?

$$\frac{8(8+1)}{2}$$

a $\sum_{n=1}^{8} \frac{n}{2}$ **b** $\sum_{n=1}^{8} n+1$ **c** $\sum_{n=1}^{9} n$

d $\sum_{n=2}^{8} n$ **e** $\sum_{n=1}^{8} n$

5 What equation in summation form would describe what this equation calculates?

$$\frac{12(12+1)}{2}$$

a $\sum_{n=2}^{12} n$ **b** $\sum_{n=0}^{12} n$ **c** $\sum_{n=1}^{12} n+1$

d $\sum_{n=1}^{11} n$ **e** $\sum_{n=1}^{12} n$

6 What equation in summation form would describe what this equation calculates?

$$\frac{18(18+1)}{2}$$

a $\sum_{n=1}^{17} n$ **b** $\sum_{n=1}^{18} \frac{n}{2}$ **c** $\sum_{n=1}^{18} n+1$

d $\sum_{n=1}^{18} n$

7 What equation in summation form would describe what this equation calculates?

$$\frac{11(11+1)}{2}$$

a $\sum_{n=1}^{11} n$ **b** $\sum_{n=1}^{10} n$ **c** $\sum_{n=1}^{12} n$