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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 - Intro'*

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

$$\frac{17(17+1)}{2}$$

a $\sum_{n=1}^{17} n$ **b** $\sum_{n=2}^{17} n$ **c** $\sum_{n=1}^{16} n$ **d** $\sum_{n=1}^{17} \frac{n}{2}$

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

$$\frac{22(22+1)}{2}$$

a $\sum_{n=2}^{22} n$ **b** $\sum_{n=1}^{22} n$ **c** $\sum_{n=0}^{22} n$ **d** $\sum_{n=1}^{23} n$

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

$$\frac{14(14+1)}{2}$$

a $\sum_{n=1}^{14} n+1$ **b** $\sum_{n=2}^{14} n$ **c** $\sum_{n=1}^{14} \frac{n}{2}$ **d** $\sum_{n=1}^{13} n$ **e** $\sum_{n=1}^{14} n$

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** $\sum_{n=2}^{8} n$ **c** $\sum_{n=1}^{9} n$ **d** $\sum_{n=1}^{8} n+1$ **e** $\sum_{n=1}^{8} n$

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

$$\frac{20(20+1)}{2}$$

a $\sum_{n=0}^{20} n$ **b** $\sum_{n=1}^{20} n$ **c** $\sum_{n=2}^{20} n$ **d** $\sum_{n=1}^{19} n$

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

$$\frac{19(19+1)}{2}$$

a $\sum_{n=1}^{20} n$ **b** $\sum_{n=1}^{19} n$ **c** $\sum_{n=1}^{18} n$ **d** $\sum_{n=2}^{19} n$ **e** $\sum_{n=1}^{19} n+1$

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

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

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