



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

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1

What equation would give you the sum of this set of integers?

$$1 + 2 + \dots + 16 + 17$$

<b>a</b> $\frac{17(17 + 1)}{17}$	<b>b</b> $\frac{16(16 + 1)}{2}$
<b>c</b> $\frac{17(17 + 1)}{2}$	

2

What equation would give you the sum of this set of integers?

$$1 + 2 + \dots + 11 + 12$$

<b>a</b> $\frac{12(12 + 1)}{2}$	<b>b</b> $\frac{11(11 + 1)}{2}$
<b>c</b> $\frac{13(13 + 1)}{2}$	<b>d</b> $\frac{2}{12(12 + 1)}$

3

What equation would give you the sum of this set of integers?

$$1 + 2 + \dots + 19 + 20$$

<b>a</b> $\frac{2}{20(20 + 1)}$	<b>b</b> $\frac{21(21 + 1)}{2}$
<b>c</b> $\frac{20(20 + 1)}{2}$	<b>d</b> $\frac{19(19 + 1)}{2}$

4

What equation would give you the sum of this set of integers?

$$1 + 2 + \dots + 8 + 9$$

<b>a</b> $\frac{9(9 + 1)}{9}$	<b>b</b> $\frac{8(8 + 1)}{2}$
<b>c</b> $\frac{10(10 + 1)}{2}$	<b>d</b> $\frac{9(9 + 1)}{2}$

5

What equation would give you the sum of this set of integers?

$$1 + 2 + \dots + 14 + 15$$

<b>a</b> $\frac{16(16 + 1)}{2}$	<b>b</b> $\frac{15(15 + 1)}{2}$
<b>c</b> $\frac{2}{15(15 + 1)}$	

6

What equation would give you the sum of this set of integers?

$$1 + 2 + \dots + 12 + 13$$

<b>a</b> $\frac{12(12 + 1)}{2}$	<b>b</b> $\frac{13(13 + 1)}{2}$
<b>c</b> $\frac{13(13 + 1)}{13}$	

7

What equation would give you the sum of this set of integers?

$$1 + 2 + \dots + 15 + 16$$

<b>a</b> $\frac{16(16 + 1)}{2}$	<b>b</b> $\frac{16(16 + 1)}{16}$
<b>c</b> $\frac{17(17 + 1)}{2}$	<b>d</b> $\frac{15(15 + 1)}{2}$