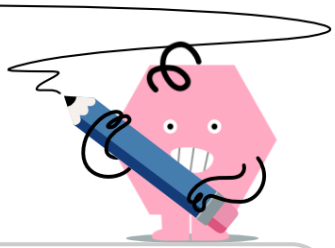
Name

Sums - Series of Integers 1 to N - Equation to Addition



1 What addition does this equation give you a quicker way to calculate?

$$\frac{15(15+1)}{2}$$

A	2 + 3 + ... + 14 + 15
B	1 + 2 + ... + 14 + 15
C	1 + 2 + ... + 15 + 16
D	0 + 1 + ... + 14 + 15
E	1 + 2 + ... + 13 + 14

2 What addition does this equation give you a quicker way to calculate?

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

A	1 + 2 + ... + 20 + 21
B	2 + 3 + ... + 21 + 22
C	0 + 1 + ... + 21 + 22
D	1 + 2 + ... + 21 + 22
E	1 + 2 + ... + 22 + 23

3 What addition does this equation give you a quicker way to calculate?

$$\frac{9(9+1)}{2}$$

A	2 + 3 + ... + 8 + 9
B	0 + 1 + ... + 8 + 9
C	1 + 2 + ... + 7 + 8
D	1 + 2 + ... + 9 + 10
E	1 + 2 + ... + 8 + 9

4 What addition does this equation give you a quicker way to calculate?

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

A	2 + 3 + ... + 7 + 8
B	1 + 2 + ... + 7 + 8
C	1 + 2 + ... + 6 + 7
D	0 + 1 + ... + 7 + 8
E	1 + 2 + ... + 8 + 9

5 What addition does this equation give you a quicker way to calculate?

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

A	1 + 2 + ... + 12 + 13
B	0 + 1 + ... + 11 + 12
C	1 + 2 + ... + 11 + 12
D	2 + 3 + ... + 11 + 12
E	1 + 2 + ... + 10 + 11

6 What addition does this equation give you a quicker way to calculate?

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

A	2 + 3 + ... + 19 + 20
B	1 + 2 + ... + 20 + 21
C	1 + 2 + ... + 19 + 20
D	0 + 1 + ... + 19 + 20
E	1 + 2 + ... + 18 + 19

7 What addition does this equation give you a quicker way to calculate?

$$\frac{16(16+1)}{2}$$

A	0 + 1 + ... + 15 + 16
B	2 + 3 + ... + 15 + 16
C	1 + 2 + ... + 15 + 16
D	1 + 2 + ... + 14 + 15
E	1 + 2 + ... + 16 + 17

8 What addition does this equation give you a quicker way to calculate?

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

A	1 + 2 + ... + 17 + 18
B	1 + 2 + ... + 16 + 17
C	1 + 2 + ... + 15 + 16
D	0 + 1 + ... + 16 + 17
E	2 + 3 + ... + 16 + 17