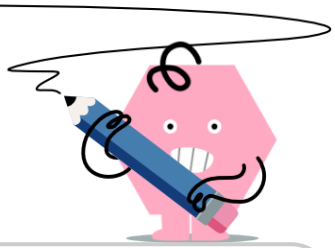
Name

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



1 What addition does this equation give you a quicker way to calculate? $\frac{14(14+1)}{2} - \frac{(8-1)8}{2}$

A	9 + 10 + ... + 13 + 14	B	8 + 9 + ... + 14 + 15
C	7 + 8 + ... + 13 + 14	D	8 + 9 + ... + 13 + 14
E	8 + 9 + ... + 12 + 13		

2 What addition does this equation give you a quicker way to calculate? $\frac{21(21+1)}{2} - \frac{(16-1)16}{2}$

A	17 + 18 + ... + 20 + 21	B	15 + 16 + ... + 20 + 21
C	16 + 17 + ... + 20 + 21	D	16 + 17 + ... + 21 + 22
E	16 + 17 + ... + 19 + 20		

3 What addition does this equation give you a quicker way to calculate? $\frac{22(22+1)}{2} - \frac{(14-1)14}{2}$

A	14 + 15 + ... + 21 + 22	B	13 + 14 + ... + 21 + 22
C	14 + 15 + ... + 20 + 21	D	15 + 16 + ... + 21 + 22
E	14 + 15 + ... + 22 + 23		

4 What addition does this equation give you a quicker way to calculate? $\frac{18(18+1)}{2} - \frac{(8-1)8}{2}$

A	8 + 9 + ... + 17 + 18	B	8 + 9 + ... + 16 + 17
C	7 + 8 + ... + 17 + 18	D	8 + 9 + ... + 18 + 19
E	9 + 10 + ... + 17 + 18		

5 What addition does this equation give you a quicker way to calculate? $\frac{16(16+1)}{2} - \frac{(11-1)11}{2}$

A	11 + 12 + ... + 14 + 15	B	11 + 12 + ... + 15 + 16
C	12 + 13 + ... + 15 + 16	D	11 + 12 + ... + 16 + 17
E	10 + 11 + ... + 15 + 16		

6 What addition does this equation give you a quicker way to calculate? $\frac{15(15+1)}{2} - \frac{(8-1)8}{2}$

A	8 + 9 + ... + 14 + 15	B	8 + 9 + ... + 13 + 14
C	7 + 8 + ... + 14 + 15	D	8 + 9 + ... + 15 + 16
E	9 + 10 + ... + 14 + 15		

7 What addition does this equation give you a quicker way to calculate? $\frac{20(20+1)}{2} - \frac{(10-1)10}{2}$

A	10 + 11 + ... + 18 + 19	B	10 + 11 + ... + 19 + 20
C	11 + 12 + ... + 19 + 20	D	9 + 10 + ... + 19 + 20
E	10 + 11 + ... + 20 + 21		

8 What addition does this equation give you a quicker way to calculate? $\frac{15(15+1)}{2} - \frac{(7-1)7}{2}$

A	6 + 7 + ... + 14 + 15	B	8 + 9 + ... + 14 + 15
C	7 + 8 + ... + 13 + 14	D	7 + 8 + ... + 14 + 15
E	7 + 8 + ... + 15 + 16		