



Math worksheet on 'Sums - Series of Integers M to N - Equation to Sum (Level 3)'. Part of a broader unit on 'Patterns and Sums - Advanced'

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1 What is the sum of the integers from 19 to 30 based on this equation?

$$\frac{30(30 + 1)}{2} - \frac{(19 - 1)19}{2}$$

a	b	c	d	e
312	264	294	325	275

2 What is the sum of the integers from 11 to 22 based on this equation?

$$\frac{22(22 + 1)}{2} - \frac{(11 - 1)11}{2}$$

a	b	c	d	e
198	208	187	176	221

3 What is the sum of the integers from 8 to 18 based on this equation?

$$\frac{18(18 + 1)}{2} - \frac{(8 - 1)8}{2}$$

a	b	c	d	e
150	143	162	125	135

4 What is the sum of the integers from 23 to 34 based on this equation?

$$\frac{34(34 + 1)}{2} - \frac{(23 - 1)23}{2}$$

a	b	c	d	e
308	319	342	364	377

5 What is the sum of the integers from 1 to 10 based on this equation?

$$\frac{10(10 + 1)}{2}$$

a	b	c
66	45	54
d		
55		

6 What is the sum of the integers from 17 to 29 based on this equation?

$$\frac{29(29 + 1)}{2} - \frac{(17 - 1)17}{2}$$

a	b	c	d	e
270	299	282	315	329

7 What is the sum of the integers from 2 to 20 based on this equation?

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

a	b	c	d	e
207	210	209	230	189