

# Sum of a Finite Arithmetic Series

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Evaluate each arithmetic series based on the first term ( $a_1$ ), the last term ( $a_n$ ) and the number of terms ( $n$ ) given.

1)  $a_1 = -35.1, a_n = -749.1, n = 43$

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2)  $a_1 = -108, a_n = 972, n = 5$

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3)  $a_1 = \frac{9}{2}, a_n = 85, n = 24$

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4)  $a_1 = 9\sqrt{2}, a_n = 630\sqrt{2}, n = 18$

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5)  $a_1 = -85, a_n = 960, n = 12$

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6)  $a_1 = \frac{7}{5}, a_n = \frac{493}{5}, n = 27$

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7)  $a_1 = 18.2, a_n = 354.2, n = 49$

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8)  $a_1 = 22, a_n = 778, n = 15$

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