

## Number of Terms in a Finite Arithmetic Sequence

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Find the number of terms (n) in each sequence.

1) 2.5, 4.5, 6.5, 8.5, ... 32.5

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2) 7, 11, 15, 19, ... 59

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3) -5, -7, -9, -11, ... -39

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4)  $5\sqrt{5}, 3\sqrt{5}, \sqrt{5}, -\sqrt{5}, \dots -9\sqrt{5}$

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5) 50, 44, 38, 32, ... -16

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6)  $\frac{7}{3}, \frac{4}{3}, \frac{1}{3}, -\frac{2}{3}, \dots -\frac{50}{3}$

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7)  $-\frac{5}{2}, -3, -\frac{7}{2}, -4, \dots -20$

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8) 1, -2.7, -6.4, -10.1, ... -32.3

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