

Number of Terms in a Finite Arithmetic Sequence

Find the number of terms (n) in each sequence, if the first term (a), common difference (d), and the last term (l) are given.

1) $a = 3.5, d = 4.2, l = 49.7$

2) $a = 50, d = -6, l = -52$

3) $a = -\frac{1}{2}, d = \frac{2}{3}, l = \frac{113}{6}$

4) $a = -4, d = 11.1, l = 51.5$

5) $a = -3, d = 1, l = 22$

6) $a = -8, d = -3, l = -44$

7) $a = -2\sqrt{3}, d = 3\sqrt{3}, l = 19\sqrt{3}$

8) $a = 16, d = 8, l = 176$
