

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) $a = 1.5, d = -1.5, l = -18$

2) $a = 2, d = 5, l = 92$

3) $a = 4, d = \frac{1}{5}, l = 7.4$

4) $a = -7, d = 6, l = 29$

5) $a = -5, d = -15, l = -65$

6) $a = -9\sqrt{6}, d = \sqrt{6}, l = 5\sqrt{6}$

7) $a = 7, d = -2, l = -31$

8) $a = \frac{5}{2}, d = \frac{3}{4}, l = \frac{17}{2}$
