

General term (nth term)

1. Find the nth term of the following sequence

(a) 35 41 47 53,

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(b) 4 11 18 25

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(c) 7 5 3 1 -1,

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(d) 73 66 59 52

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(e) 5 8 11 14

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(f) 6 11 16 21

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(g) 126 122 118 114,

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(h) 2 9 16 23

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(i) -1 3 7 11

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

(j) 21 17 13 9

$$d = \underline{\hspace{2cm}} \quad a = \underline{\hspace{2cm}}$$

$$\text{nth term} = \underline{\hspace{3cm}}$$

2. Here are the first five terms in a sequence.

7 11 15 19

Find an expression for the n th term of this sequence.

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