

GHS Tallur

Arithmetic progression

Name of the student:

1. In the A.P. 12,19,26,.....find T_{15}

Solution: $a =$, $d =$ - = , $T_{15} =$

$$T_n = a + (n-1)d$$

$$T_n = +$$

$$T_n = + -$$

$$T_n = +$$

$$T_n = +$$

$$T_n = +$$

$$T_n =$$

2. Find the number of terms in the finite

A.P. 7,13,19,.....,151.

Solution: $a =$, $d =$,

Let the number of terms be n . so $T_n =$

$$\begin{aligned} T_n &= \quad + \\ &= \quad + \\ &= \quad + \quad - \\ &= \quad + \\ &= \end{aligned}$$

$$n = - =$$

Therefore, $n =$

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