

## Formula

$$a_n = a_1 + (n - 1)d$$

$a_n$  represents the  $n^{\text{th}}$  term of the sequence

$a_1$  represents the 1<sup>st</sup> term of the sequence

$d$  represents the common difference (what we are adding)

$n-1$  represents we are multiplying by one less than the  $n^{\text{th}}$  term