U1:L2B Switching Arithmetic Series Forms
There are two common ways to formulate arithmetic series.

- Working with $S_{n}$
- Working with $\sum n$

Knowing how to switch between the two is important.
Reminder:
$S_{n}=\frac{n}{2}\left(2 t_{1}+(n-1) d\right)$
Pirst term $S_{n}=\frac{n}{2}\left(t_{1}+t_{n}\right)$ $n^{\text {th }}$ term


The sigma formula does not specify the common difference.

