## **Arithmetic Series**

## **Series**

The sum of the terms of a sequence.

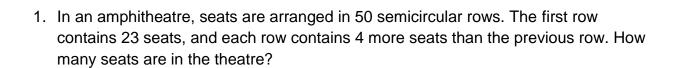
## **Partial Sum**

The sum,  $S_n$ , of the first n terms of a sequence.

## **The Formulae**

$$S_n = \frac{n[2a + (n-1)d]}{2}$$

$$S_n = \frac{n(t_1 + t_n)}{2}$$



2. Determine the sum of - 31, - 35, - 39, ... - 403