$$sum = ((a1+an))*n)/2$$
 1

$$(a1+an)*(n/2)$$
 or  $((a1+an)/2)*n$ 

for even n

## **Examples:**

123456

25811

for odd n

## **Examples:**

## Example:

4681012

$$a1 = 4$$

$$a2 = 4+2$$

$$a3 = 4 + 2 * 2$$

$$a4 = 4 + 2 * 3$$

•

$$an = a1 + (n-1*d)$$