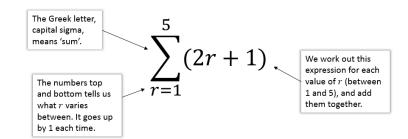
## Sigma Notation



	First few terms?	Values of	Final result?
7		a, n, d or r?	
$\sum_{n=1}^{7} 3n$			
$\sum_{k=5}^{15} (10 - 2k)$			
$\sum_{k=1}^{12} 5 \times 3^{k-1}$			
$\sum_{k=5}^{12} 5 \times 3^{k-1}$			

## **Test Your Understanding**

Evaluate

$$\sum_{r=10}^{30} (7+2r).$$



"Use of Technology" Monkey says: The Classwiz and Casio Silver calculator has a  $\boldsymbol{\Sigma}$  button.

Try and use it to find

$$\sum_{k=5}^{12} 2 \times 3^k$$

