

# Arithmetic Patterns

When the pattern has a common difference.

5 5 5  
Example: 1, 6, 11, 16 .... The common difference is 5. The next term would be 21.

How can we find the 15th term.

5 5 5  
1,6,11,16.....15th term?

The first no. + ( the no. of the rest of the terms x common difference)  
= 1 + { (14) x (5) }  
= 71