

Arithmetic Sequence - there is a common _____
 (you _____ the same number every time)

5, 10, 15, 20, 25, ... or 30, 28, 26, 24, 22, ...

$$t(n) = mn + b \quad \text{or} \quad a_n = mn + a_0$$

_____ = the common difference

_____ = the term number (the 4th term, the 5th term, etc)

_____ or _____ = the zeroth term - the one before the first term
 you see in the list

Geometric Sequence - there is a common _____ or
 _____ (you _____ by the same number every time)

3, 6, 12, 24, 48, ... or 200, 100, 50, 25, 12.5, ...

$$t(n) = ab^n \quad \text{or} \quad a_n = a_0 \cdot b^n$$

_____ = the common ratio (multiplier) or the sequence generator

_____ = the term number (the 4th term, the 5th term, etc)

_____ or _____ = the zeroth term - the one before the first term
 you see in the list

In recursive sequences (arithmetic or geometric):

_____ = the n^{th} term

_____ = the term BEFORE the n^{th} term (the PREVIOUS term)

_____ = the term AFTER the n^{th} term (the NEXT term)