

## Vocabulary Toolkit

locator	Term	Definition
1.9 T	Arithmetic means	The terms between two given terms of an arithmetic sequence.
1.2 T	Arithmetic Sequence	Sequence of numbers that follows a fixed pattern by adding a fixed number from one term to the next.
1.2 T	Common difference	In an arithmetic sequence, a constant increase or decrease between consecutive terms.
1.3 T	Common ratio	In a geometric sequence, a constant ratio (multiplier) between consecutive terms.
1.6 T	Decreasing Function	A function where the output (y-value) decreases as the input (x-value) increases. Often, we talk about a function decreasing on a specific interval.
1.3 T	Explicit Formula	A formula that allows the direct computation of any term of a sequence. (input $\rightarrow$ output)
1.10 T	Geometric means	The terms between two given terms of a geometric sequence.
1.3 T	Geometric Sequence	Sequence of numbers that follows a fixed pattern of multiplying a fixed number from one term to the next.
1.6 T	Increasing Function	A function where the output (y-value) increases as the input (x-value) increases. Often, we talk about a function increasing on a specific interval.
1.3 T	Recursive Formula	A formula that is used to determine the next term of a sequence using one or more of the preceding terms. (This type of formula requires that the starting term is defined!) (Previous output $\rightarrow$ output)