

Patterns and Expressions

Grade 7 Math

Pattern - an arrangement of shapes, colours, numbers, letters, words, and so on, for which you can predict what comes next.

Variable - A letter that represents an unknown number.

Expression - any single number or variable, or a combination of operations involving numbers and variables.

Value - a known or calculated amount.

Constant - a number that does not change. It increases or decreases the value of the expression no matter what the value of the variable.

numerical coefficient - A number that multiplies the variable. In $2x + 4$, the number 2 is the numerical coefficient.

table of values - a table showing two sets of related numbers.

linear relation - A pattern made by two sets of numbers that results in points along a straight line when graphed on a coordinate grid.

Graph - A visual way to show the relationship between two sets of numbers.

Relationship - A pattern formed by 2 sets of numbers.