

$$9 \times 3 = 20 + 7$$

A statement that two mathematical expressions are equal.



Having no boundaries or limits.

$$9 + 12 = 1 + 20$$



Naming the same number.

$$\textcircled{\cdot\cdot\cdot 3} \quad \cdot\cdot\cdot 5$$
$$3 < 5$$

Less than is used to compare two numbers when the first number is smaller than the second number.

$$5x + 3$$

A variable or combination of variables, numbers, and symbols that represents a mathematical relationship.

If x is equal to 9, then ...

$$8x + 4 = ?$$

$$8(9) + 4 = 76$$

The replacement of the letters in an algebraic expression with known values.

$$\textcircled{\cdot\cdot\cdot 5} \quad \cdot\cdot\cdot 3$$
$$5 > 3$$

Greater than is used to compare two numbers when the first number is larger than the second number.

$$2n + 3 = 11$$

variable

A quantity that changes or can have different values. A symbol, usually a letter, that can stand for a variable quantity.

$$5x + 6 < 20 - 2x$$



A mathematical sentence that compares two unequal expressions using one of the symbols $<$, $>$, \leq , \geq , or \neq .

infinite

equation

less than

equivalent

substitution

expression

variable

**greater
than**

inequality