

Conversion factor

The factor in a multiplication sentence that renames one measurement unit as another equivalent unit.

Example: $14 \times (1 \text{ in.}) = 14 \times (\frac{1}{12} \text{ ft})$; 1 in and $\frac{1}{12} \text{ ft}$ are the conversion factors)

Decimal fraction

A proper fraction whose denominator is a power of 10.

Example: $\frac{4}{10}$, $\frac{35}{100}$, $\frac{912}{1,000}$, etc.

Multiplier

A quantity by which a given number- a multiplicand- is to be multiplied.

Example: $2 \times 6 = 12$

*↑ ↑
Multiplicand Multiplier*

Parentheses

The symbols used to relate order of operations.

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Decimal

A fraction whose denominator is a power of ten and whose numerator is expressed by figures placed to the right of a decimal point.

Example: 0.4, 0.35, 0.912

Digit

A symbol used to make numbers: 0, 1, 2, 3, 4, 5, 6, 7, 8, and
9

Divisor

The number by which another number is divided.

Example: $24 \div 6 = 4$



Divisor

Equation

A statement that the values of two mathematical expressions are equal.

Example: $(8 \times 2) + 3 = 9 + (40 \div 4)$

Equivalence

A state of being equal or equivalent.

Example: $36 \text{ inches} = 3 \text{ feet}$

Equivalent Measures

Example: 12 inches = 1 foot; 16 ounces = 1 pound

Estimate

Approximation of the value of a quantity or number.

Example: The best estimate for 123×46 would be 100×50 which equals 5,000

Exponent

The number of times a number is to be used as a factor in a multiplication expression.

Example: $10^3 = 10 \times 10 \times 10$

Multiple

A number that can be divided by another number without a remainder like 15, 20, or any multiple of 5.

Example: 6, 9, 12, 15, 18, ... are all multiples of 3

Pattern

A systematically consistent and recurring trait within a sequence.

*Example: 10, 100, 1,000, 10,000, ...
the pattern is multiplying by ten to get the next number in the pattern.*

Product

The result of multiplying numbers together.

$$7 \times 8 = 56$$

↑
Product

Quotient

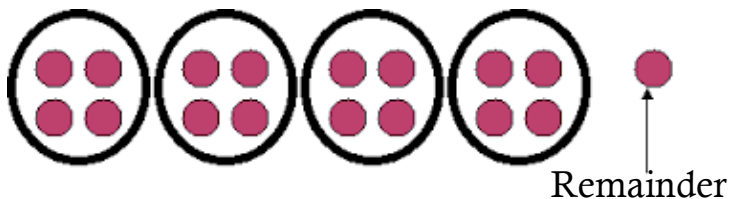
The answer of dividing one quantity by another.

$$72 \div 8 = 9$$

↑
Quotient

Remainder

The number left over when one integer is divided by another.



$$\begin{array}{r} 3 \\ 4 \overline{)14} \\ - 12 \\ \hline 2 \end{array}$$

Renaming

Decomposing or composing a number of units within a number.

*Example: 235 can be renamed as 23 tens 5 ones,
or 2 hundreds, 3 tens, 5 ones,
or 235 ones.*

Rounding

Approximating the value of a given number.

Example: 123 rounds to 100

Unit Form

Place value counting.

Example: 34 stated as 3 tens 4 ones