


Decimal Divisor

The number that divides the whole and has units of tenths, hundredths, thousandths, etc.

$$7.5 \div .25 = 30$$


Divisor

Simplify

Using the largest fractional unit possible to express an equivalent fraction.

Example: $\frac{4}{14} = \frac{2}{7}$

Commutative Property

Example: $4 \times \frac{1}{2} = \frac{1}{2} \times 4$

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.

Denominator

Denotes the fractional unit: fifths in 3 fifths, which is abbreviated as the 5 in $\frac{3}{5}$.

Distribute

With reference to distributive property,

$$\text{Example: } 1\frac{2}{5} \times 15 = (1 \times 15) + (\frac{2}{5} \times 15)$$

Divide/Division

Partitioning a whole into equal groups to show how many units in a whole.

$$\text{Example: } 5 \div \frac{1}{5} = 25$$

Equation

A statement that two expressions are equal.

$$\text{Example: } 3 \times 4 = 6 \times 2$$

Equivalent fraction

Example: $\frac{3}{5} = \frac{6}{10}$

Expression

Example: $4 \times \frac{1}{3}$

Factors

Numbers that are multiplied to obtain a product.

Example: 4 and 5 are factors of 20.

**Kilometer, meter, centimeter, liter,
milliliter, kilogram, gram, mile, yard, foot,
inch, gallon, quart, pint, cup, pound, ounce,
hour, minute, second**

Units of measure

Fraction greater than or equal to 1

Example: $\frac{7}{2}$, $3\frac{1}{2}$, an abbreviation for $3 + \frac{1}{2}$

**Fraction written in the largest
possible unit**

Example: $\frac{3}{6} = \frac{1 \times 3}{2 \times 3} = \frac{1}{2}$ or 1 three out of 2 threes = $\frac{1}{2}$

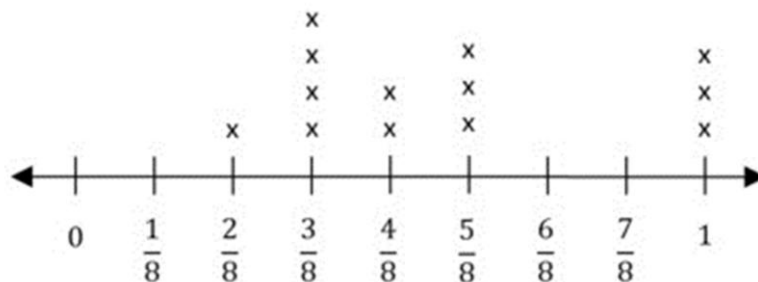
Fractional unit

Example: the fifth unit in 3 fifths denoted by the denominator 5 in $\frac{3}{5}$.

Hundredth

$$\frac{1}{100} \text{ or } 0.01$$

Line Plot



Mixed Number

$3\frac{1}{2}$, an abbreviation for $3 + \frac{1}{2}$

Numerator

Denotes the count of fractional units: 3 units in 3 fifths or the
3 in $\frac{3}{5}$.

Parentheses

()

Symbols used around a fact or numbers within an equation
or expression.

Quotient

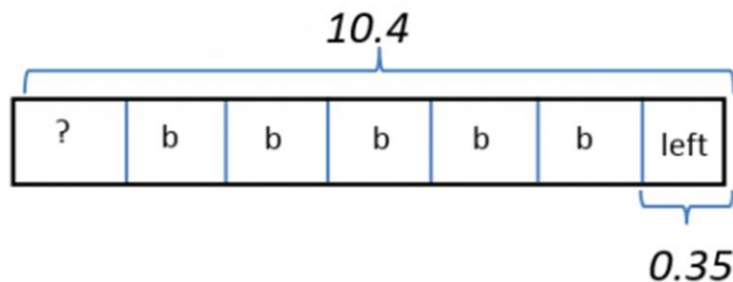
The answer of dividing one quantity by another.

$$72 \div 8 = 9$$

↑
Quotient

Tape Diagram

Method for modelling problems.



Tenth

$$\frac{1}{10} \text{ or } 0.1$$

Unit

One segment of a partitioned tape diagram.



One unit is $\frac{1}{5}$

Unknown

The missing factor or quantity in multiplication or division.

Whole unit

Example: any unit that is partitioned into smaller, equally sized fractional units.

1 whole

