

Grade 5: Chapter 6 Vocabulary

Common Denominator

A common multiple of two or more denominators.

Example:

Some common denominators for

$$\frac{1}{4} \quad \text{and} \quad \frac{5}{6}$$

are 12, 24, and 36.

multiple

A number that is the [product](#) of a given number and a [whole number](#).

Example:

$$\begin{array}{r} 10 \\ \times 1 \\ \hline 10 \end{array} \quad \begin{array}{r} 10 \\ \times 2 \\ \hline 20 \end{array} \quad \begin{array}{r} 10 \\ \times 3 \\ \hline 30 \end{array} \quad \begin{array}{r} 10 \\ \times 4 \\ \hline 40 \end{array} \quad \leftarrow \text{multiples of 10}$$

Common Multiple

A number that is a [multiple](#) of two or more numbers

Example:

multiples of 4: 4, 8, 12, 16, 20, 24

multiples of 6: 6, 12, 18, 24, 30

A common multiple of 4 and 6 is 24.

denominator

The number below the bar in a [fraction](#) that tells how many equal parts are in the whole

Example:

$$\frac{3}{4} \quad \leftarrow \text{denominator}$$

difference

The answer to a subtraction problem.

Example:

$$8 - 5 = 3$$
$$\begin{array}{r} 8 \\ - 5 \\ \hline 3 \end{array}$$

3 is the difference.

unit fraction

A fraction that has 1 as its top number or numerator.

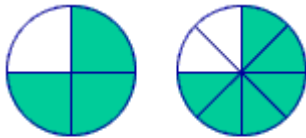
Example:

$$\frac{1}{3}$$

Equivalent fractions

Two or more fractions that name the same amount

Example:



$\frac{3}{4}$ and $\frac{6}{8}$ name the same amount.

So, $\frac{3}{4}$ and $\frac{6}{8}$ are equivalent.

$$\frac{3}{4} = \frac{6}{8}$$

mixed number

A number that is made up of a whole number and a fraction.

Example:

$$1\frac{5}{8}$$

numerator

The number above the bar in a [fraction](#) that tells how many equal parts of the whole are being considered.

Example:

$$\frac{3}{4} \leftarrow \text{numerator}$$

simplest form

A [fraction](#) is in simplest form when the [numerator](#) and [denominator](#) have only 1 as their common [factor](#).

Example:

Write $\frac{6}{12}$ in simplest form.

$$\frac{6 \div 2}{12 \div 2} = \frac{3}{6}$$

$$\frac{3 \div 3}{6 \div 3} = \frac{1}{2}$$

So, $\frac{6}{12}$ in simplest form is $\frac{1}{2}$.