

Grade 5: Chapter 7 Vocabulary

common factor

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

Example:

factors of 6: 1, 2, 3, 6

factors of 12: 1, 2, 3, 4, 6, 12

The common factors of 6 and 12 are
1, 2, 3, and 6.

denominator

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

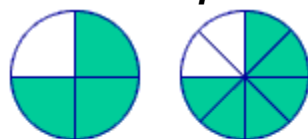
Example:

$\frac{3}{4}$ ← denominator

equivalent fractions

[Fractions](#) that name the same number or amount.

Example:



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

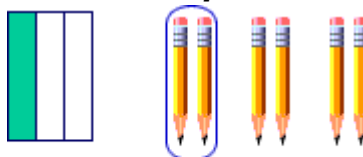
So, $\frac{3}{4}$ and $\frac{6}{8}$ are equivalent fractions.

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

fraction

A number that names a part of a whole or a part of a group

Example:



$\frac{1}{3}$

$\frac{1}{3}$

$\frac{1}{3}$ is a fraction.

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:

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

product

The answer to a [multiplication](#) problem

Example:

$$6 \times 2 = 12$$
$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

The product is 12.

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 $\frac{1}{2}$.