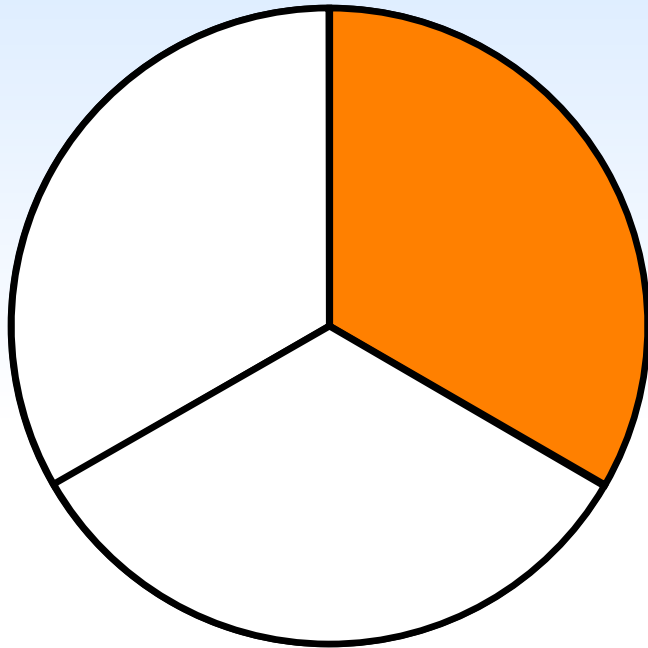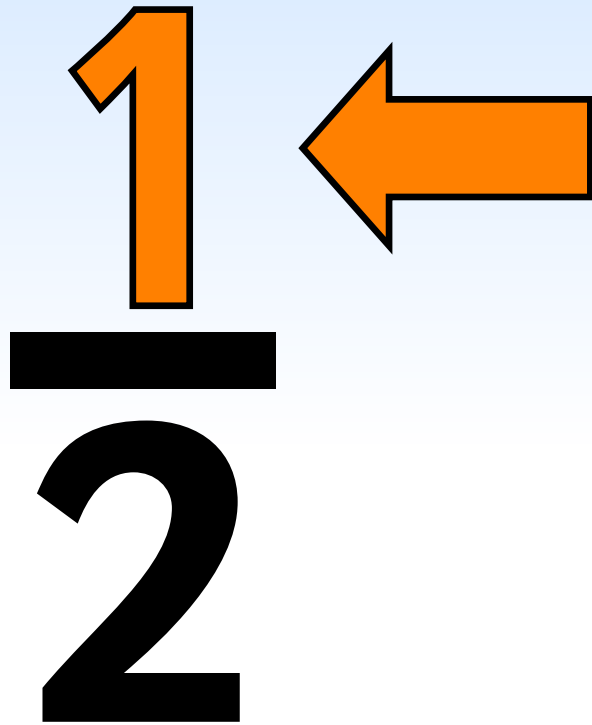# fraction

$\frac{1}{3}$

$\frac{6}{8}$

$\frac{3}{4}$

Fractions are equal parts of whole things.

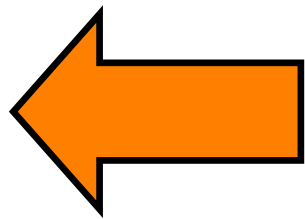# numerator

$$\frac{1}{2}$$

The part of a fraction above the line.
It tells how many parts are being counted.

denominator

$$\frac{3}{5}$$ ←

The part of a fraction below the line. It tells how many equal parts there are in the whole thing.

proper fraction

$$\frac{2}{6}$$

A fraction where the numerator is less than the denominator.

$$\frac{1}{4}$$
$$\frac{3}{9}$$
$$\frac{2}{5}$$

improper fraction

$$\frac{7}{4}$$

A fraction where the numerator is larger than or equal to the denominator.

$$\frac{6}{5}$$

$$\frac{3}{2}$$

$$\frac{9}{3}$$

mixed number

A whole number and a fraction.

$1\frac{1}{4}$ $5\frac{4}{5}$ $4\frac{2}{3}$

simplest form

A fraction is in simplest form when the numerator and the denominator are as small as they can be.

$$\frac{2}{4} = \frac{1}{2} \qquad \frac{8}{10} = \frac{4}{5} \qquad \frac{21}{30} = \frac{7}{10}$$

equivalent fraction

Fractions that show different numbers with the same value.

$$\frac{8}{12} = \frac{4}{6} = \frac{2}{3}$$

common denominator

Fractions that all have the same denominator.

$$\frac{1}{5} \quad \frac{3}{5} \quad \frac{4}{5}$$

Simplifying fractions to have the same denominator makes them easier to add and subtract.

simplify

Finding a fraction in its simplest form where the numerator and the denominator are as small as they can be.

$$\frac{2}{4} = \frac{1}{2} \qquad \frac{8}{10} = \frac{4}{5} \qquad \frac{21}{30} = \frac{7}{10}$$

unit fraction

A fraction where the numerator is l.

$$\frac{1}{10} \quad \frac{1}{7} \quad \frac{1}{3} \quad \frac{1}{2}$$

non-unit fraction

A fraction where the numerator is more than 1.

$$\frac{9}{12} \qquad \frac{3}{8} \qquad \frac{4}{5} \qquad \frac{2}{3}$$

proportion

Proportion says that
two fractions are equal.

$$\frac{8}{12} = \frac{4}{6} = \frac{2}{3}$$