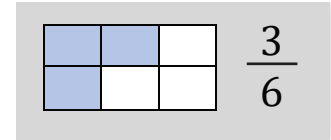# FRACTIONS

Fractions are numbers that specify a number of equal parts of a whole. For instance, if you split a pizza between your three friends, you each get 1/3 of the pizza.
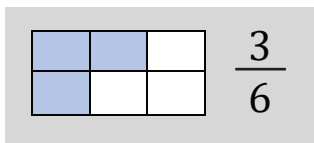
Three of the six equal-sized boxes are highlighted in the rectangle, so the fraction represented here is 3/6. The numerator is 3, which specifies "how many", while 6 is the denominator and specifies "what kind."
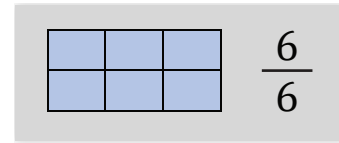
$\dfrac{3}{6}$

Fractions can be expressed in different ways:

Proper Fraction

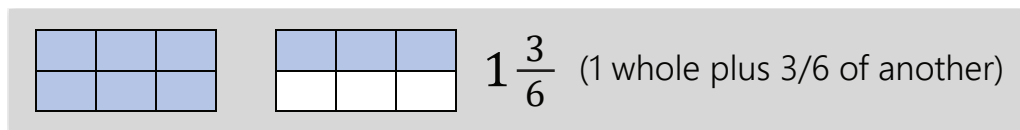Our fraction above, 3/6, is called a proper fraction because the numerator is less than the denominator.

$\dfrac{3}{6}$

Improper Fraction

The fraction 6/6, which is 1 whole, is an improper fraction because the numerator is not less than the denominator.

$\dfrac{6}{6}$

Mixed Number

When you have more than 1 whole split into equal divisions, this is known as a mixed number.

$1\dfrac{3}{6}$ (1 whole plus 3/6 of another)

Equivalent Fraction

Equal quantities can be represented with equivalent fractions.

$= \qquad = \qquad \dfrac{3}{6} = \dfrac{1}{2} = \dfrac{6}{12}$