

Mixed Numbers and Improper Fractions

4th Grade

Two ways to write the same amount, and how to swap between them.

An improper fraction has a top bigger than its bottom. A mixed number splits it into whole ones plus a fraction.

$$7/3 = 2 \frac{1}{3}$$

$7/3 \rightarrow$ mixed

$2 \frac{1}{3}$

3 goes into 7 twice, with 1 left over.

$2 \frac{1}{3} \rightarrow$ improper

$7/3$

$(2 \times 3) + 1 = 7$, over the same bottom number.

$9/4 \rightarrow$ mixed

$2 \frac{1}{4}$

4 into 9 is 2 remainder 1.

$3 \frac{2}{5} \rightarrow$ improper

$17/5$

$(3 \times 5) + 2 = 17$.

Convert to improper before multiplying or dividing. Convert back at the very end.