

Name: _____

Date: _____

Types of fractions

Fourth Grade - Teacher Begonia

Fractions can be classified as proper fractions, improper fractions or mixed numbers.

- A proper fraction is a fraction where the numerator is less than the denominator.
- An improper fraction (or top-heavy fraction) is a fraction where the numerator is greater than (or equal to) the denominator.
- A mixed number has a whole number and a fraction.

Identify if it is a fraction (F), improper fraction (I) or mixed number (M).

$\frac{3}{4}$ _____

$\frac{5}{3}$ _____

$2\frac{3}{4}$ _____

$3\frac{2}{4}$ _____

$\frac{2}{5}$ _____

$\frac{9}{3}$ _____

$\frac{9}{4}$ _____

$3\frac{2}{5}$ _____

$\frac{5}{9}$ _____

To convert improper fractions to mixed numbers you may need to remember:

With an **Improper fraction** ...

Division is the **Action!**

Divide the **numerator** by the **denominator**.

numerator	13
denominator	5

		2 → quotient is the whole number
divisor is the denominator ←	5	$\overline{) 13}$
	- 10	
	3	→ remainder is the numerator

$$\frac{13}{5} = 2 \frac{3}{5}$$

Convert an improper fraction to a mixed number.

$\frac{7}{2} =$	$\frac{13}{3} =$	$\frac{21}{6} =$
$\frac{4}{3} =$	$\frac{45}{7} =$	$\frac{35}{4} =$

To convert a mixed number to an improper fraction you may need to remember:

How to make Mixed Numbers

mad?

$$3 \frac{1}{5} = \frac{(5 \times 3) + 1}{5} = \frac{16}{5}$$

Step 1: Multiply the denominator by the whole number. (denominator $\times$ whole)

Step 2: Add numerator to the product. (denominator $\times$ whole) + numerator

Step 3: Write the same DENOMINATOR

Convert a mixed number to an improper fraction.

$$4 \frac{1}{2} =$$

$$4 \frac{1}{3} =$$

$$2 \frac{3}{8} =$$

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

$$5 \frac{4}{8} =$$

$$1 \frac{5}{9} =$$