

BRAINSTORM:

- Give 3 examples of an improper fraction.

$$\frac{15}{11} \quad \frac{8}{3} \quad \frac{10}{9}$$

- How do you know the fraction is an improper fraction?

The numerator is bigger than the denominator.

- What do improper fractions change into?

Mixed number

- How do you change an improper fraction into a: mixed number?

divide numerator by denominator

Examples:

$$1. \frac{7}{5} = 1\frac{2}{5}$$

Handwritten notes: A red circle around the 1 is labeled "whole #". A red circle around the 2 is labeled "fraction numerator". A red circle around the 5 is labeled "deno.".

$$2. \frac{13}{8} = 1\frac{5}{8}$$

$$4. \frac{22}{7} = 3\frac{1}{7}$$

$$3. \frac{13}{4} = 3\frac{1}{4}$$

Handwritten note: A red circle around the 1 is labeled "fraction numerator".

$$5. \frac{6}{4} = 1\frac{3}{2} = 1\frac{1}{2}$$

$$6. \frac{14}{8} = 1\frac{7}{4} = 1\frac{3}{2}$$

$$7. \frac{9}{6} = 1\frac{3}{2} = 1\frac{1}{2}$$

$$8. \frac{14}{10} = 1\frac{4}{5} = 1\frac{2}{5}$$

Brainstorm:

- Give three mixed numerals

(Don't cheat and take one from the front...)

$$1\frac{3}{8} \quad 6\frac{1}{3} \quad 2000\frac{79}{263}$$

- How do you change that mixed numeral to an improper fraction?

$$\frac{(\text{Denominator} \times \text{whole number}) + \text{numerator}}{\text{denominator}}$$

Examples:

$$1. 6\frac{1}{3} = \frac{19}{3}$$

Handwritten note: A red circle around the 1 is labeled "fraction numerator".

$$2. 5\frac{3}{4} = \frac{23}{4}$$

$$3. 7\frac{1}{6} = \frac{43}{6}$$

$$4. 9\frac{1}{8} = \frac{73}{8}$$

$$5. 4\frac{3}{10} = \frac{43}{10}$$

$$6. 4\frac{2}{3} = \frac{14}{3}$$

$$7. 3\frac{7}{9} = \frac{34}{9}$$

$$8. 4\frac{7}{8} = \frac{39}{8}$$

$$9. 1\frac{2}{5} = \frac{7}{5}$$