

Rename Fractions and Mixed Numbers

A **mixed number** is made up of a whole number and a fraction. You can use multiplication and addition to rename a mixed number as a fraction greater than 1.

Rename $2\frac{5}{6}$ as a fraction.

First, multiply the denominator, or the number of parts in the whole, by the whole number.

$$6 \times 2 = 12$$

Then, add the numerator to your product.

$$12 + 5 = 17$$

$$\text{So, } 2\frac{5}{6} = \frac{17}{6}.$$

$$2\frac{5}{6} = \frac{\boxed{17}}{6}$$

total number
of parts
number of
parts in the whole

You can use division to write a fraction greater than 1 as a mixed number.

Rename $\frac{16}{3}$ as a mixed number.

To rename $\frac{16}{3}$ as a mixed number, divide the numerator by the denominator.

Use the quotient and remainder to write a mixed number.

$$\text{So, } \frac{16}{3} = 5\frac{1}{3}.$$

$$\begin{array}{r} 5 \\ 3 \overline{)16} \\ - 15 \\ \hline 1 \end{array}$$

Write the mixed number as a fraction.

1 $3\frac{2}{3} =$ _____

2 $4\frac{3}{5} =$ _____

3 $4\frac{3}{8} =$ _____

4 $2\frac{1}{6} =$ _____

Write the fraction as a mixed number.

5 $\frac{32}{5} =$ _____

6 $\frac{19}{3} =$ _____

7 $\frac{15}{4} =$ _____

8 $\frac{51}{10} =$ _____