

Changing Improper Fractions to a Mixed Number

What is an improper fraction?

- A fraction with a numerator larger than the denominator

Ex.) $\frac{17}{5}$ $\frac{23}{2}$

How to change it?

$$\frac{17}{5} = 17 \div 5$$

$$\begin{array}{r} 17 \\ 5 \overline{) 17} \end{array}$$

$$\begin{array}{r} 3 \\ 5 \overline{) 17} \\ \underline{-15} \\ 2 \end{array}$$

Whole number

denominator 2 ← numerator

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

Changing Mixed Numbers to Improper Fractions

What is a mixed number?

- A whole number with a fraction

Ex.) $2\frac{5}{8}$

$3\frac{7}{12}$

How do I change it?

$$2\frac{5}{8} = 2 \times 8 + 5 = \frac{21}{8}$$

whole number

denominator

numerator

denominator stays the same