


Mixed Numbers and Improper Fractions

An **improper fraction** is a fraction where the numerator is larger than the denominator. A **mixed number** has a whole number part and a fractional part.

Improper to Mixed

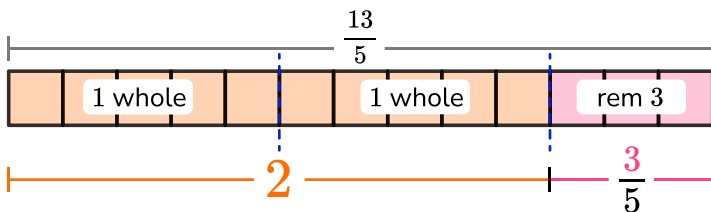
 **Example** Write $\frac{13}{5}$ as a mixed number.

Work out how many times 5 goes into 13


There are 5 equal parts in 1 whole.

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

13 goes into 5 **twice (2)**, with **remainder 3**



Mixed to Improper

 **Example** Write $2\frac{3}{4}$ as an improper fraction.

There are **2 wholes** and each one has **4 equal parts**
 $2 \times 4 = 8$

We have **3 parts** in the numerator.

$$2\frac{3}{4} = \frac{11}{4}$$

$$8 + 3 = 11$$

