

What is an improper fraction?

IMPROPER FRACTION

five fourths

$$\frac{5}{4}$$

numerator
greater than
denominator

This is the same as having five lots of one quarter.

$$\frac{5}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$

Or the same as having one whole and one quarter.

$$\frac{5}{4} = \begin{array}{c} \text{one whole} \\ \boxed{1 \ 1 \ 1 \ 1} \\ \frac{4}{4} \end{array} + \begin{array}{c} \text{one quarter} \\ \boxed{1 \ \ \ \ } \\ \frac{1}{4} \end{array}$$

So how can we convert improper fractions?

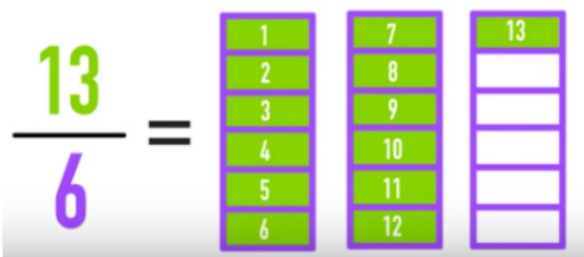
Convert $\frac{13}{6}$ to a mixed number.

$$\frac{13}{6} =$$

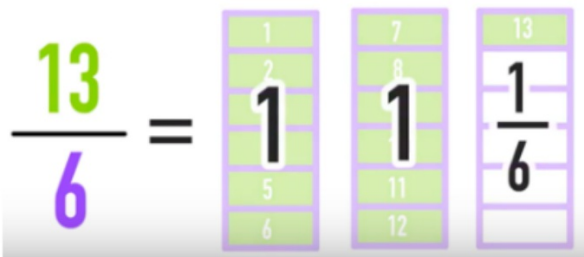
First we'll divide the numerator by the denominator...

So 13 divided by 6 =

Next, let's visualize what $(13/6)$ looks like using fraction charts:



By counting these we can see there are two wholes and one sixth left.



This is the same as our earlier answer of 13 divided by 6 = 2 r 1.

