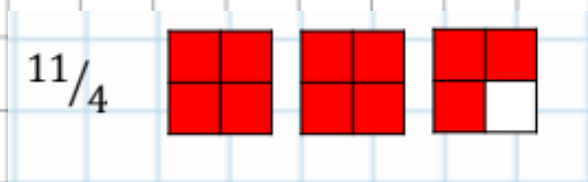


## Can I convert improper fractions to mixed numbers?

An improper fraction is a fraction where the numerator is bigger than the denominator. It represents more than a whole.

For example:



A mixed number fraction has a whole number and a fraction. So the example above as a mixed number fraction would be  $2 \frac{3}{4}$

But how do we convert improper fractions to mixed number fractions without having to draw them all the time?

### Step 1

The denominator tells us how many pieces make up one whole. So, if we divide the numerator by the denominator, we know how many wholes we have:

$$11 \div 4 = 2 \text{ r } 3$$

We can make 2 wholes

### Step 2

The remainder becomes the fraction part of our mixed number.

So r 3 becomes  $\frac{3}{4}$

### Step 3

Our final answer is our improper fraction and mixed number given together:

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

Have a go at converting the improper fractions on the next page to mixed numbers.

Improper Fraction	Mixed Number
$11/4$	
$8/5$	
$10/3$	
$23/6$	
$34/8$	
$11/10$	
$30/9$	
$7/2$	
$31/4$	
$69/7$	
$18/5$	

Improper Fraction	Mixed Number
$11/4$	$2 \frac{3}{4}$
$8/5$	$1 \frac{3}{5}$
$10/3$	$3 \frac{1}{3}$
$23/6$	$3 \frac{5}{6}$
$34/8$	$4 \frac{2}{8}$
$11/10$	$1 \frac{1}{10}$
$30/9$	$3 \frac{3}{9}$
$7/2$	$3 \frac{1}{2}$
$31/4$	$7 \frac{3}{4}$
$69/7$	$9 \frac{6}{7}$
$18/5$	$3 \frac{3}{5}$