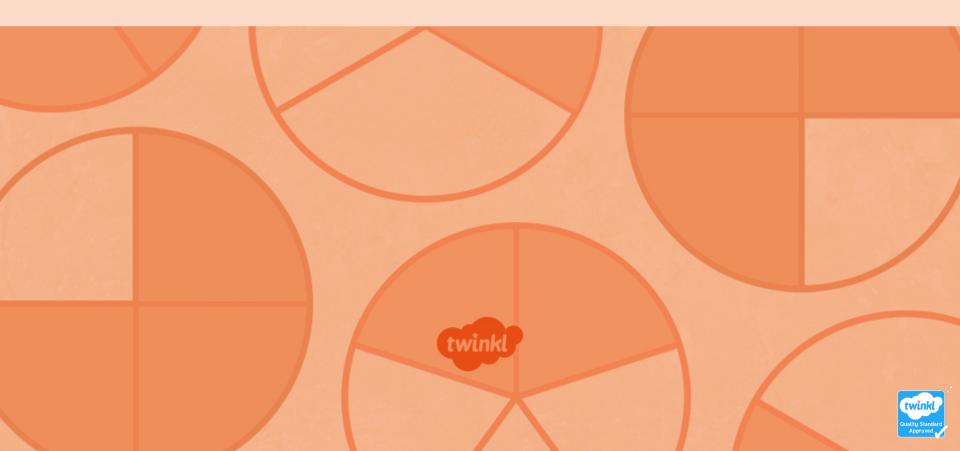
## **Converting Fractions**



# Proper Fractions

All these fractions have numerators that are **smaller** than their denominators.

This means that they are all less than 1.

They are called **proper fractions**.

Can you write down three more different proper fractions?

# Improper Fractions

All these fractions have numerators that are **larger** than their denominators.

This means that they are all **more than 1**.

They are called **improper fractions**.

Can you write down three more different improper fractions?

#### Mixed Number Fractions



A mixed number fraction is a whole number and a fraction combined into one 'mixed' number.

In a mixed number fraction, the whole number has the same number of parts as

the denominator of

the fraction.



#### Improper to Mixed Number



**Improper fractions** can also be written as a **mixed number fraction** as they are equivalents.

There are eleven parts altogether.

In this fraction, every whole is made of four parts.

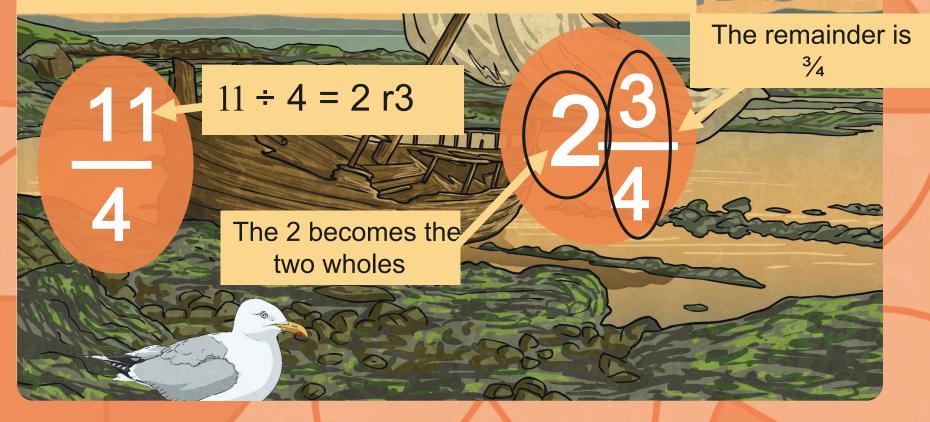
Think about how many times 4 multiples into 11.

We can see that the equivalent mixed number fraction is **two** wholes and three parts.

#### Improper to Mixed Number



Another way to think of this is to divide the numerator (11) by the denominator (4). However many times 4 goes into 11 evenly becomes the whole and the remainder becomes the fraction.





Have a go at changing these improper fractions into their **mixed number equivalents** .



2



5

Have a go at changing these improper fractions into their **mixed number equivalents**.

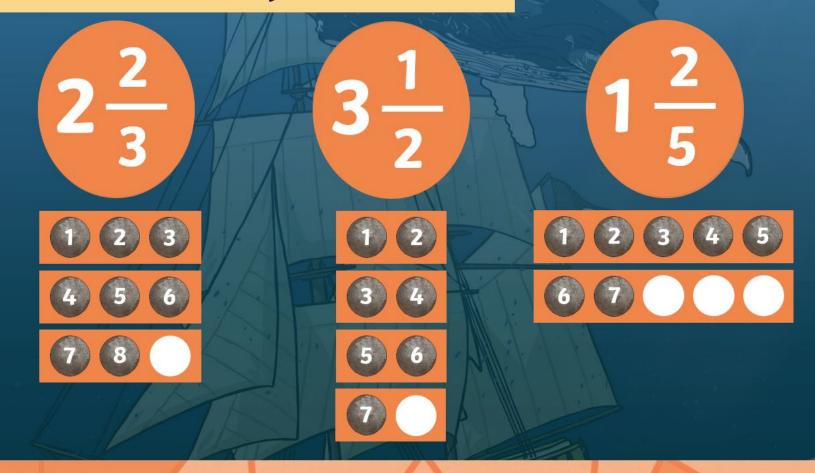
8

3





Have a go at changing these improper fractions into their **mixed number equivalents**.



3



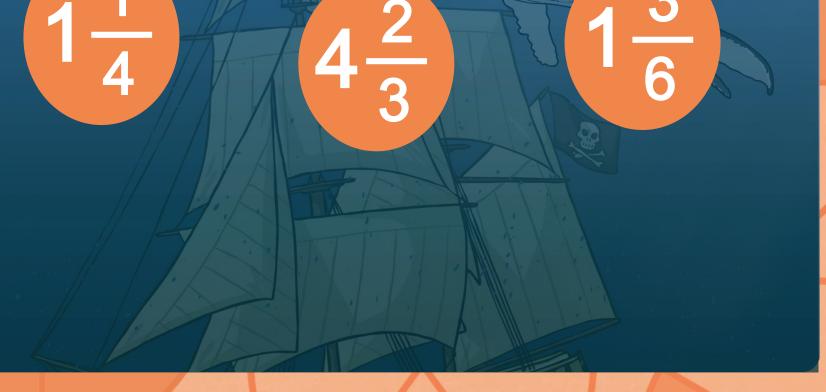
6

Have a go at changing these improper fractions into their **mixed number equivalents** .

5



Have a go at changing these improper fractions into their **mixed number equivalents** .



### **Mixed Number to Improper**

**Mixed number fractions** can also be written as an **improper fraction** as they are equivalents.

In this mixed number, every whole is made of six parts.

Think about how many parts there will be altogether if we calculate 3 × 6. In this mixed number, there are five parts of a whole.

18

16

Think about how many parts there will be altogether if we add five more parts of a whole.

23

6

# Mixed Number to Improper

Another way to look at this is to multiply the whole number by the denominator, add the numerator and put the answer over the fraction.

Then add your answer to the numerator: 5 + 18 = 23

First muitiply the whole number by the denominator: 3 x 6 = 18 Finally, put your answer (23) over the denominator you are working with (6)



Have a go at changing these mixed number fractions into their **improper fraction equivalents** .





Have a go at changing these mixed number fractions into their **improper fraction equivalents**.





Have a go at changing these mixed number fractions into their **improper fraction equivalents**.





Have a go at changing these mixed number fractions into their **improper fraction equivalents** .

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Have a go at changing these mixed number fractions into their **improper fraction equivalents** .



