

First, begin the lesson by completing a simulation of the year 4 multiplication test.

<https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check>

This link should allow you to access it. You have 25 random times table questions to answer and you are given 6 seconds to answer each one. Try not to use any times tables sheets/ resources to help you, we need to be fluent by now!

Lesson:

Today we will be looking at improper fractions and how to convert them into mixed numbers.

An improper fraction is where the numerator is larger than the denominator.

For example:  $\frac{5}{4}$

The numerator (5) is larger than the denominator (4) so this is an improper fraction.

If we drew this fraction using fraction bars, it would look like this:



We needed to draw two sets of fraction bars because we needed to colour in 5 segments but there were only 4 segments to colour.

The first fraction bar has been completely coloured in which means there is one whole.

In the second fraction bar, only one out of the four segments have been coloured in so this represents  $\frac{1}{4}$ .

Therefore,  $\frac{5}{4}$  is equal to  $1\frac{1}{4}$  (1 whole and  $\frac{1}{4}$ )

TASK:

Write the following improper fractions as mixed numbers. Draw out fraction bars to help you.

$\frac{7}{4} =$        $\frac{4}{3} =$        $\frac{6}{5} =$        $\frac{7}{6} =$        $\frac{9}{4} =$        $\frac{7}{3} =$        $\frac{11}{6} =$        $\frac{9}{3} =$

Challenges:

Jack: Explain what an improper fraction is.

Queen:  $\frac{9}{3}$  is the same as 3 wholes because  $3 \times 3 = 9$ . True or false? Prove it.

Ace: Convert the improper fraction  $\frac{46}{7}$  into a mixed number without drawing fraction bars to help you.

Now it's time for you to practise your maths skills using Mathletics and Timestables.co.uk.  
Have fun! Keep learning your times tables.

*If you need any help at all or would like to send me pictures of your amazing work, please email myself and Miss Senior. To those of you who received pens last week - I would love to see your handwriting!*



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