

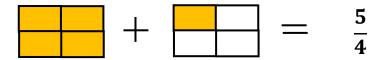
FRACTIONS

'Mixed Numbers and Improper Fractions'

We have already learned about improper fractions. An Improper Fraction is a fraction in which the numerator is greater than or equal to the denominator. For example, $\frac{12}{7}$, $\frac{7}{2}$ etc are all improper fractions.

Now we will learn about Mixed Numbers. A Mixed number consists of a whole number and a fraction. For example $2\frac{5}{7}$, $3\frac{2}{5}$ etc are mixed numbers.

Look at the following example to understand mixed numbers.



We know that a whole = $\frac{4}{4}$ = 1 and the other figure is 1 quarter which is $\frac{1}{4}$. So we can write the fraction as $1\frac{1}{4}$ which is a mixed number as it is a mixture of a whole number and a fraction.

A mixed number can be converted into an improper fraction.

 $1\frac{1}{4}$ First we will multiply the whole number by the denominator of the proper fraction and then add the numerator of the proper fraction with it.

$$4 \times 1 = 4$$

$$4 + 1 = 5$$

which will give us our improper fraction $\Longrightarrow \frac{5}{4}$

Similarly an improper fraction can be converted into a mixed number by division.

