

## Types of fractions

12-11-18

① Proper fraction  
 $\frac{\text{numerator}}{\text{denominator}} < 1$

The numerator < denominator

Eg  $\frac{3}{4}$ ,  $\frac{1}{2}$ ,  $\frac{2}{10}$ ,  $\frac{7}{8}$

② Improper fraction  
fractions > 1

$\frac{\text{numerator}}{\text{denominator}} > 1$

numerator > denominator

Eg  $\frac{7}{5}$   $\frac{5}{4}$

Improper fraction to mixed number

Method: Divide the denominator into the numerator

Eg write  $\frac{5}{2}$  as a mixed number

$$\begin{array}{r} 2 \overline{) 5.00} \\ \underline{2.5} \phantom{0} \\ \phantom{2.}5 \phantom{0} \\ \phantom{2.}5 \phantom{0} \\ \phantom{2.}0 \phantom{0} \end{array}$$

$$2.5 = 2\frac{1}{2}$$

### ③ Mixed numbers

will have a whole number  
and a proper fraction

Eg  $3\frac{1}{2}$  ,  $4\frac{2}{3}$

Convert mixed numbers to improper fractions.

Eg  $4\frac{2}{3}$

Method: Multiply the denominator  
by the whole number and  
ADD the numerator  
Put answer over denominator  
ADD

$$3 \times 4 = 12 + 2 = 14$$

$$\text{Answer} = \frac{14}{3}$$

$$\text{mixed no } 4\frac{2}{3} = \text{improper fraction } \frac{14}{3}$$

C/W  $\rightarrow$  H/W

Pg 56 Q1+2

Pg 57 Q3