

**IMPROPER FRACTION**

IS THE SAME AS A

**MIXED NUMBER**

**Definition** – a fraction where the numerator is greater or equal to the denominator (Has at least 1 whole)

**Definition** – the sum of a whole number and a fraction

2 Ways to write as a Mixed number

2 Ways to write as Improper fraction

$$\frac{23}{5} \xrightarrow{\text{pieces in each}} = 4 \frac{3}{5}$$

whole

$$2 \frac{1}{4} = \frac{9}{4}$$

(1) Model:

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(2) Use division:

**04 wholes =  $4 \frac{3}{5}$**

(2) Shortcut: Multiply then add

$$\frac{23}{5} \cdot \frac{5}{5} = \frac{115}{25}$$

$$\begin{array}{r} 5 \overline{) 23} \\ \underline{20} \\ 03 \end{array}$$

**03 out of 5**

$$2 \frac{1}{4} = \frac{9}{4}$$

$\times 4$

Multiply the denominator by the whole number then add the numerator