

Let's Recall

Converting improper fractions and mixed numbers

Convert $\frac{10}{3}$ to a mixed number.

$$\begin{aligned}\frac{10}{3} &= \frac{9}{3} + \frac{1}{3} \\ &= 3 + \frac{1}{3} \\ &= 3\frac{1}{3}\end{aligned}$$

$$\text{So, } \frac{10}{3} = 3\frac{1}{3}.$$

Convert $3\frac{1}{2}$ to an improper fraction.

$$\begin{aligned}3\frac{1}{2} &= 3 + \frac{1}{2} \\ &= \frac{6}{2} + \frac{1}{2} \\ &= \frac{7}{2}\end{aligned}$$

$$\text{So, } 3\frac{1}{2} = \frac{7}{2}.$$

Let's Check

- 1 Convert the following improper fractions to mixed numbers.
Express your answers in their simplest forms.

a $\frac{17}{4} =$

b $\frac{22}{6} =$

c $\frac{40}{9} =$

- 2 Convert the following mixed numbers to improper fractions.

a $3\frac{3}{7} =$

b $6\frac{5}{9} =$

c $8\frac{2}{5} =$