Let's Recall

Converting improper fractions and mixed numbers

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

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

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

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

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

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. $8\frac{2}{5} =$ ____