

## Example 2

Find  $6\frac{11}{16} - 2\frac{5}{8}$ .

**Estimate**  $7 - 3 =$  \_\_\_\_\_

**1** Write an equivalent fraction for  $2\frac{5}{8}$  so that the fractions have the same denominator. The LCD is 16.

$$2\frac{5}{8} = 2\frac{5 \times \boxed{2}}{8 \times \boxed{2}} \rightarrow \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

**2** Subtract the wholes.  
Then subtract the fractions.

$$\begin{array}{r} 6\frac{11}{16} \\ - 2\frac{5}{8} \\ \hline \end{array} \rightarrow \begin{array}{r} 6\frac{11}{16} \\ - 2\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \\ \hline \end{array} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

Subtract the wholes.

$$6 - 2 = 4$$

Subtract the fractions.

$$\frac{11}{16} - \frac{10}{16} = \frac{1}{16}$$

$$\text{So, } 6\frac{11}{16} - 2\frac{5}{8} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}.$$

**Check for Reasonableness** \_\_\_\_\_  $\approx$   $\boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**Talk MATH**

Describe the steps you would take to find  $3\frac{5}{8} - 2\frac{3}{8}$ .

$$\begin{array}{r} 4\frac{2}{3} \\ - 2\frac{1}{3} \\ \hline \end{array} \rightarrow \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\begin{array}{r} 5\frac{4}{5} \\ - 3\frac{2}{5} \\ \hline \end{array} \rightarrow \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

