## Chapter 4 Rational Numbers

## Lesson 4-5 Add and Subtract Mixed Numbers

Page 303
1 Find $11 \frac{3}{4}-4 \frac{1}{3}$.
Rename using the LCD of 4 and 3, 12 .

$$
\begin{aligned}
11 \frac{3}{4}-4 \frac{1}{3} & =11 \frac{9}{12}-4 \frac{4}{12} & & \text { Rename each fraction. } \\
& =7 \frac{5}{12} & & \text { Subtract the whole numbers and then the fractions. }
\end{aligned}
$$

11. The length of Kasey's garden is $4 \frac{\mathbf{5}}{\mathbf{8}}$ feet. Find the width of Kasey's garden if it is $2 \frac{7}{8}$ feet shorter than the length.

Because the width is shorter than the length, subtract. Since $\frac{5}{8}$ is less than $\frac{7}{8}$, rename $4 \frac{5}{8}$ as $3 \frac{13}{8}$ before subtracting.

$$
\begin{aligned}
4 \frac{5}{8}-2 \frac{7}{8} & =3 \frac{13}{8}-2 \frac{7}{8} & & \text { Rename each fraction. } \\
& =1 \frac{6}{8} \text { or } 1 \frac{3}{4} & & \text { Subtract the whole numbers and then the fractions. }
\end{aligned}
$$

So, the garden is $1 \frac{3}{4}$ feet wide.

