## 5-3 Adding and Subtracting Fractions with Like Denominators

## Main Idea

- Add and subtract fractions with like denominators.


## BUILD YoUR VoGABULARY (page 115)

Fractions with the same $\square$ are called like fractions.

## EXAMPLE Add Like Fractions

## Key Concepts

Adding Like Fractions To add fractions with the same denominators, add the numerators. Use the same denominator in the sum.

Subtracting Like Fractions To subtract fractions with the same denominators, subtract the numerators. Use the same denominator in the difference.
(1) Find the sum of $\frac{3}{10}$ and $\frac{9}{10}$.


$$
\frac{3}{10}+\frac{9}{10}=\frac{\square}{10}
$$

Add the numerators.

Simplify.

Write the improper fraction as a mixed number.

## EXAMPLE Subtract Like Fractions

2 Find $\frac{10}{12}-\frac{1}{12}$. Write in simplest form.


Subtract the numerators.

Simplify.

## Check Your Progress

Add or subtract. Write in simplest form.
a. $\frac{3}{8}+\frac{7}{8}$
b. $\frac{17}{18}-\frac{5}{18}$



## EXAMPL:

## FOLDABLES

## ORGANIZE IT

Use the note cards in your Foldable to record what you learn about adding and subtracting fractions with like denominators. As you learn the concepts, move the note cards from the Need to Know pocket to the Know pocket in your Foldable.


## Homework

 AssignmentPage(s):
Exercises:

