

**Lesson  
10.3a**
**Adding Fractions**
**Objectives**

- Add like fractions.

**California Standards**
**NS 3.2:** Add and subtract simple fractions.

**Materials**

- Fraction cards

**Teaching Strategies**
**Add like fractions**

Have students refer to the problem in **Textbook p. 97**.

Tell students that in order to find how much milk was drunk, they need to add the two amounts together.

Draw two bars showing  $\frac{1}{5}$  and  $\frac{2}{5}$ .

Tell students that from the fraction bars, they know that the total amount is  $\frac{3}{5}$ .

Draw in a third bar as shown.

Write on the board ' $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$ '.

Tell students that when the sizes of the parts (the denominators) are the same, they just need to add the number of parts together by adding the numerator.



$$\frac{1}{5}$$



$$\frac{2}{5}$$



$$\frac{3}{5}$$

$$\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$$

Draw a rectangle and divide it into twelfths.

Tell students to pretend this is a pan of brownies.

Mandy took  $\frac{5}{12}$  of it.

Color 5 twelfths red.

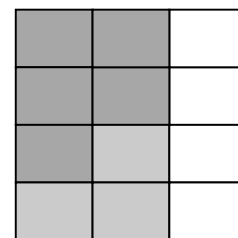
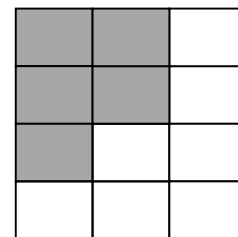
Tell students that Patricia took another three twelfths of it.

Color 3 twelfths yellow.

Ask students what the total fraction of brownies is taken away is.

Tell students that to find the answer, they need to add the two fractions.

Write on the board ' $\frac{5}{12} + \frac{3}{12} = ?$ '.



$$\frac{5}{12} + \frac{3}{12} = ?$$