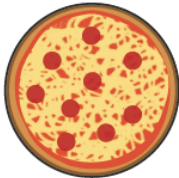


# Subtracting Fractions

## Lesson 12

### In Focus



How much of the pizza is left over?



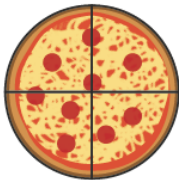
I eat  $\frac{1}{4}$  of the pizza.



I eat  $\frac{1}{8}$  of it.

### Let's Learn

1



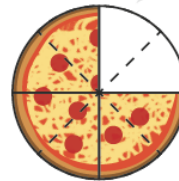
$$1 - \frac{1}{4} = \frac{4}{4} - \frac{1}{4} = \frac{3}{4}$$

$$\frac{3}{4} = \frac{6}{8}$$

We need equal denominators.



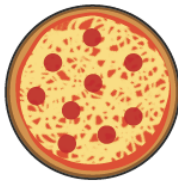
$$\frac{3}{4} - \frac{1}{8} = \frac{6}{8} - \frac{1}{8} = \frac{5}{8}$$



$\frac{5}{8}$  of the pizza is left over after  and  eat their share.

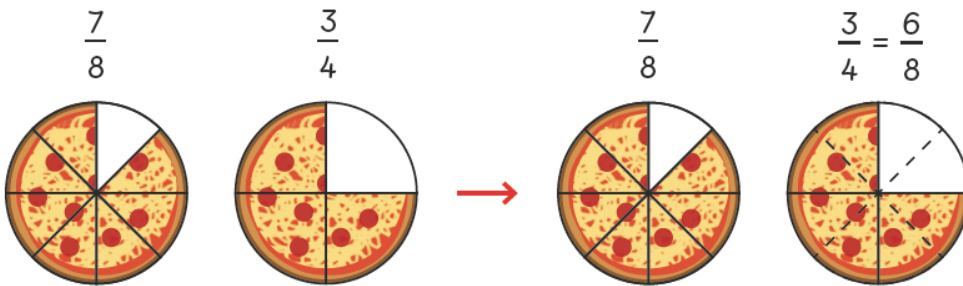
2

Subtract  $\frac{3}{8}$  from 2.



$$2 - \frac{3}{8} = 1 + \square = \square$$

- 3 Find the difference between  $\frac{7}{8}$  and  $\frac{3}{4}$ .



$$\frac{7}{8} - \frac{3}{4} = \frac{7}{8} - \frac{6}{8} = \frac{1}{8}$$

## Guided Practice

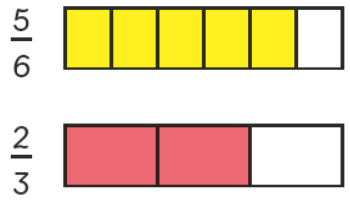
- 1 Find the difference between  $\frac{5}{6}$  and  $\frac{2}{3}$ .

$$\begin{array}{r} \frac{5}{6} - \frac{2}{3} \\ = \frac{\square}{\square} - \frac{\square}{\square} \\ = \frac{\square}{\square} \end{array}$$

Are the denominators equal?

Write the fractions with the same denominator.

Subtract. Check if it can be simplified.



2 Subtract.

$$(a) \frac{2}{3} - \frac{1}{9} = \frac{\square}{\square} - \frac{\square}{\square}$$
$$= \frac{\square}{\square}$$

$$(b) \frac{8}{9} - \frac{1}{3} = \frac{\square}{\square} - \frac{\square}{\square}$$
$$= \frac{\square}{\square}$$

$$(c) \frac{2}{3} - \frac{1}{12} = \frac{\square}{\square} - \frac{\square}{\square}$$
$$= \frac{\square}{\square}$$

$$(d) \frac{11}{12} - \frac{1}{3} = \frac{\square}{\square} - \frac{\square}{\square}$$
$$= \frac{\square}{\square}$$

Can we tell which has a greater difference without calculating?

$$\frac{5}{6} - \frac{2}{3} \quad \text{or} \quad \frac{8}{9} - \frac{1}{3}$$



Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## Worksheet 12

### Subtracting Fractions

1 Subtract.

$$(a) \quad 1 - \frac{1}{7}$$

$$= \frac{7}{7} - \frac{1}{7}$$

$$= \boxed{\phantom{00}}$$

$$(b) \quad \frac{5}{7} - \frac{1}{3}$$

$$= \frac{15}{21} - \frac{7}{21}$$

$$= \boxed{\phantom{00}}$$

$$(c) \quad \frac{3}{4} - \frac{1}{3}$$

$$= \boxed{\phantom{00}} - \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}}$$

$$(d) \quad \frac{8}{9} - \frac{1}{2}$$

$$= \boxed{\phantom{00}} - \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}}$$

$$(e) \quad \frac{9}{14} - \frac{2}{7}$$

$$= \boxed{\phantom{00}} - \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}}$$

$$(f) \quad \frac{2}{5} - \frac{1}{10}$$

$$= \boxed{\phantom{00}} - \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}}$$

