

## Arithmetic

$$5/12 + 4/12 =$$

$$7/9 - 5/9 =$$

$$3/8 = ?/24$$

## Lesson 12

# Finding the Simplest Fraction

### In Focus

A cake is cut into 12 pieces.



Ruby

I take  
3 pieces.



Ravi

I take  
4 pieces.



I take  
2 pieces.



Lulu

Can we figure out what fraction of the cake each person takes?

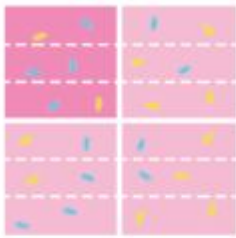
How many pieces has the cake been cut into?

What fraction is each piece?

Ruby takes 3 pieces of the cake. What fraction does she take?

## Let's Learn

1



$$3 \text{ pieces} = \frac{3}{12}$$

$$3 \text{ pieces} = \frac{1}{4}$$



When 3 pieces become 1 part, 12 pieces become 4 parts.



$$\frac{3}{12} = \frac{1}{4}$$

Ruby takes  $\frac{1}{4}$  of the cake.

2



$$4 \text{ pieces} = \frac{4}{12}$$



$$1 \text{ piece} = \frac{1}{3}$$

When 4 pieces become 1 part, 12 pieces become 3 parts.



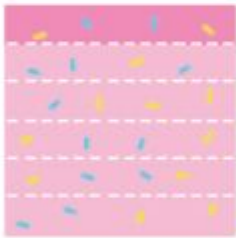
$$\frac{4}{12} = \frac{1}{3}$$

Ravi takes  $\frac{1}{3}$  of the cake.

3



$$2 \text{ pieces} = \frac{2}{12}$$



$$1 \text{ piece} = \frac{1}{6}$$

$$\frac{2}{12} = \frac{1}{6}$$

Lulu takes  $\frac{1}{6}$  of the cake.

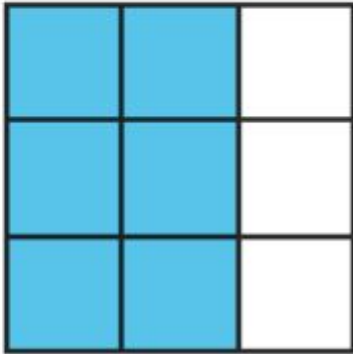
When 2 pieces become 1 part, 12 pieces become 6 parts.



## Guided Practice

Write each fraction in its simplest form.

1



$$\frac{6}{9} = \frac{2}{3}$$

2

(a)  $\frac{4}{12} = \frac{1}{3}$

(b)  $\frac{4}{10} = \frac{2}{5}$

(c)  $\frac{4}{6} = \frac{2}{3}$



# Worksheet 12

## Finding the Simplest Fraction

A cake is divided into 12 pieces.

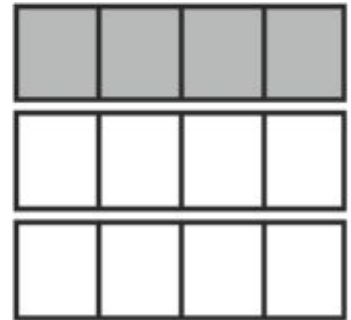
Find the fraction of the cake each person takes.

(a)



I took  
4 pieces.

$$\frac{4}{12} = \boxed{\quad}$$



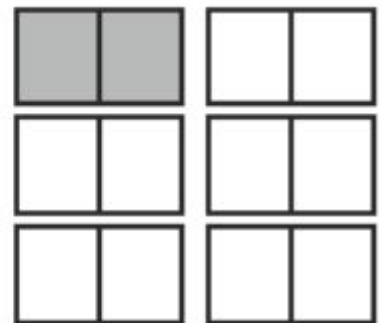
**Answer:**

(b)



I took  
2 pieces.

$$\frac{2}{12} = \boxed{\quad}$$



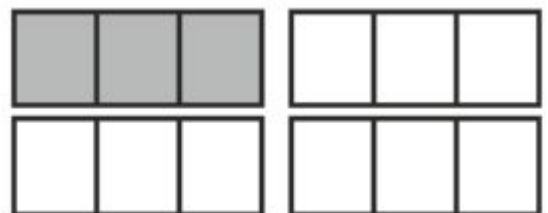
**Answer:**

(c)



I took  
3 pieces.

$$\frac{3}{12} = \boxed{\quad}$$



**Answer:**