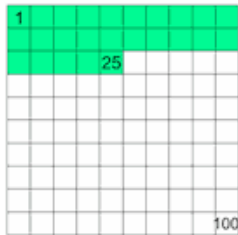


**MAIN IDEA**

I **CAN** express percents  
as fractions and  
fractions as percents.



Percent means parts per 100

The symbol is %

Example: 25% means 25 per 100  
(25% of this box is green)

7-1

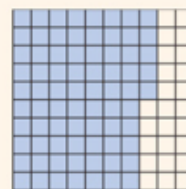
## Percents and Fractions

## KEY CONCEPT

Percent

**Words** A **percent** is a ratio that compares a number to 100.

**Example**  $75\% \Rightarrow 75$  out of 100 or  $\frac{75}{100}$

**Model**

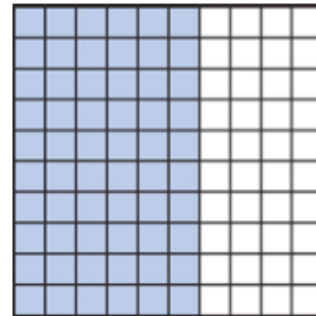
75%

7-1

## Percents and Fractions

**EXAMPLE****Write a Percent as a Fraction****Write 60% as a fraction in simplest form.**

60% means *60 out of 100*.



7-1

**Percents and Fractions**



**CHECK Your Progress**



**Write 30% as a fraction in simplest form.**

- 1. A
- 2. B
- 3. C
- 4. D



**7-1**

**Percents and Fractions**

**EXAMPLE**

**Write a Percent as a Fraction**

**2**

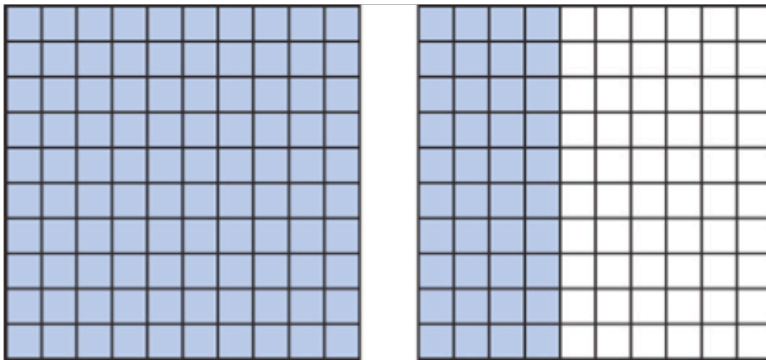
**Write 140% as a mixed number in simplest form.**

7-1

## Percents and Fractions

**EXAMPLE****Write a Percent as a Fraction****2** Write 140% as a mixed number in simplest form.

140% means 140 for every 100.



7-1

**Percents and Fractions**



**CHECK Your Progress**

2

Write 180% as a mixed number in simplest form.

- 1. A
- 2. B
- 3. C
- 4. D



**7-1 Percents and Fractions****Real-World EXAMPLE****Write a Percent as a Fraction**

- 3 LUNCH** Use the table below. What fraction of the class members preferred spaghetti for the school lunch?

School Lunch Choices	
Lunch	Percent
pizza	30
spaghetti	25
hamburger	20
chicken strips	15
soup	10

**7-1 Percents and Fractions** **CHECK** Your Progress

**3** **ICE CREAM** Use the table to the right. What fraction of the students chose chocolate as their favorite flavor?

A.  $\frac{1}{5}$

B.  $\frac{1}{4}$

C.  $\frac{7}{25}$

D.  $\frac{3}{10}$

Students Favorite Ice Cream Flavor	
Flavor	Percent
vanilla	37
chocolate	28
chocolate chip	20
strawberry	8
other	7

7-1

## Percents and Fractions

## EXAMPLE

Write a Fraction as a Percent

4

Write  $\frac{7}{10}$  as a percent.

$$\frac{7}{10} = \frac{n}{100}$$

Write a proportion.

 **CHECK** Your Progress

**4** Write  $\frac{4}{10}$  as a percent.

- A. 0.4%
- B. 4%
- C. 40%
- D. 400%

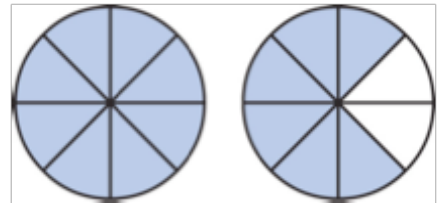
- 1. A
- 2. B
- 3. C
- 4. D



**EXAMPLE**

**Write a Fraction as a Percent**

- 5** Write a percent to represent the shaded portion of the model.



 **CHECK** Your Progress

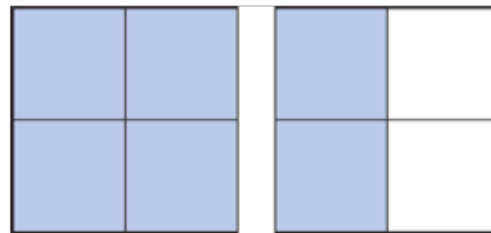
**5** Which percent represents the shaded portion of the model?

A. 120%

B. 125%

C. 140%

D. 150%



1. A
2. B
3. C
4. D



**HOMework:**

**WORKSHEET**