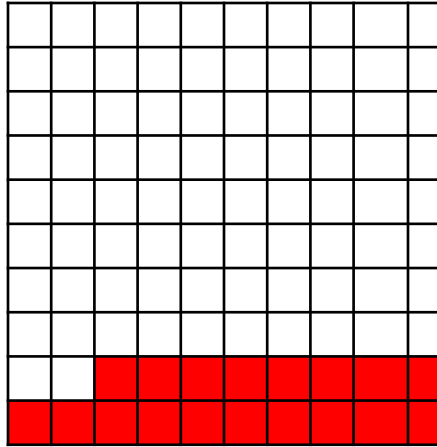# 5.5 & 15.1

Fractions, Decimals, & Percents

What is a percent?
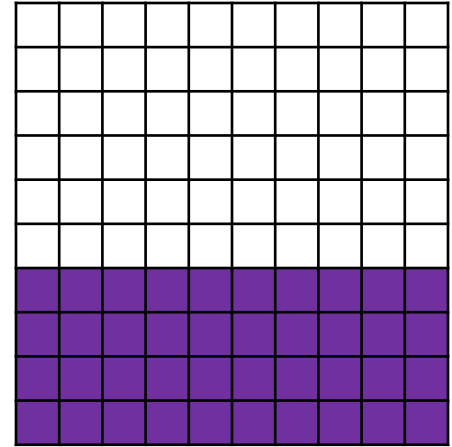
Percent means "_____" or "_____"

Write the indicated percent as a fraction. Simplify if possible.
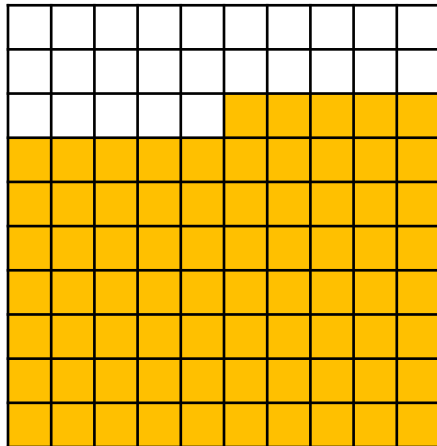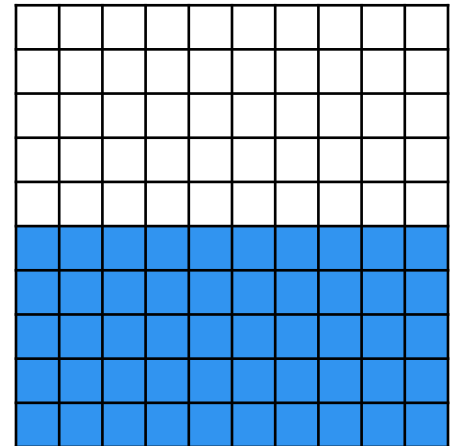
1) 18%

2) 40%

3) 75%

4) 50%

What is a percent?

Percent means "_____" or "_____"

Write the indicated percent as a fraction, mixed number, or whole number in simplest terms.
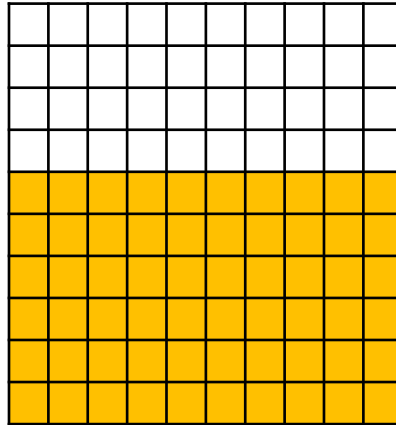
5)   60%

6)   150%

What is a percent?
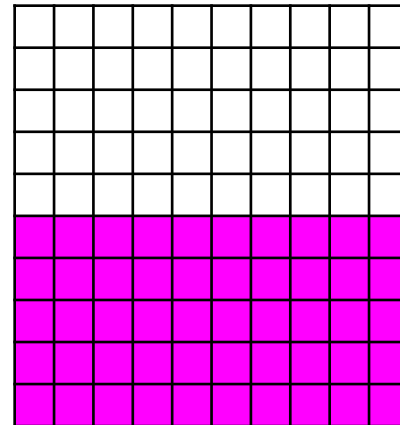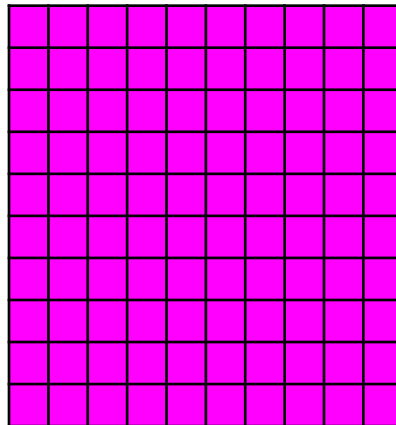
Percent means "_____" or "_____"

Write the indicated percent as a fraction, mixed number, or whole number in simplest terms.
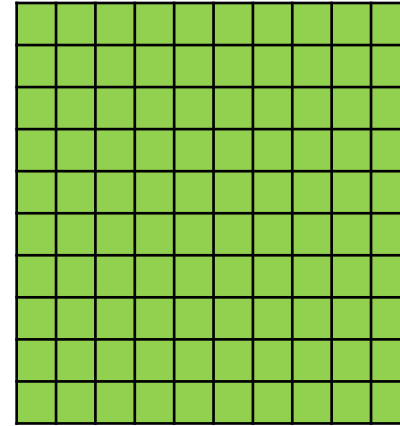
7)   200%

8)   300%

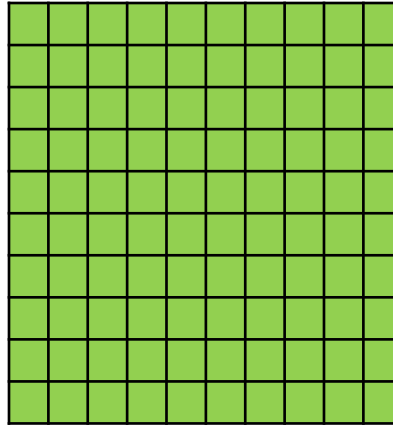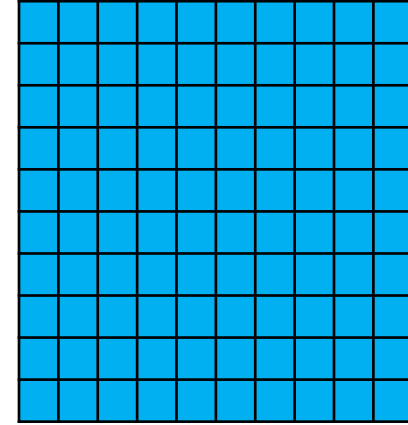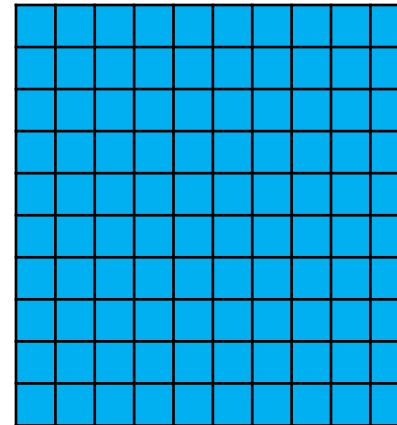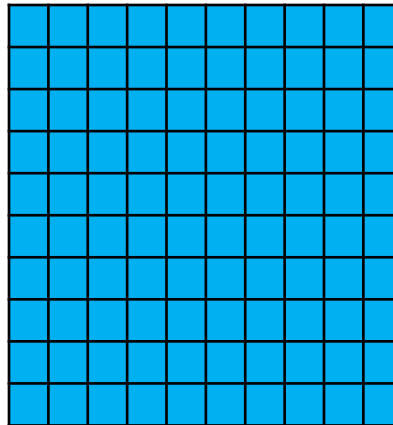# Converting Fractions to Percents

1) $\dfrac{9}{10}$

2) $\dfrac{4}{5}$

3) $\dfrac{17}{25}$

Practice

a. Write 35% as a fraction in simplest form.
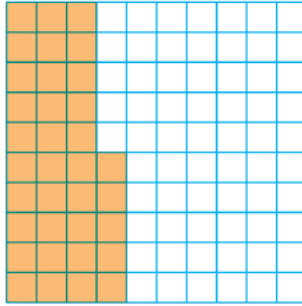
b. Write 100% as a fraction in simplest form.
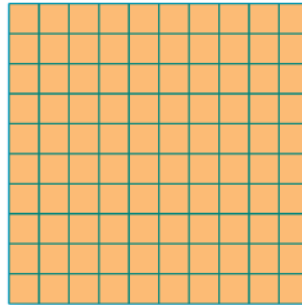
c. Write 174% as a mixed number in simplest form.
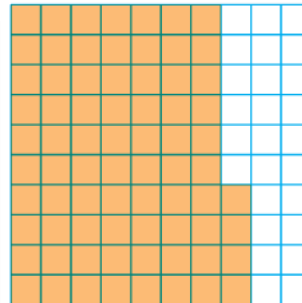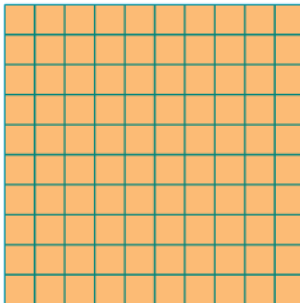
Practice

Write the indicated percent as a fraction, mixed number, or whole number in simplest terms.

d) 5%

e) 168%

f) 36%

g) 83%

Practice

h)   Write $\dfrac{3}{50}$ as a percent.

Application

A drought affects 9 out of 12 midwestern states. What percent of the midwestern states are affected by the drought?

Midwestern United States
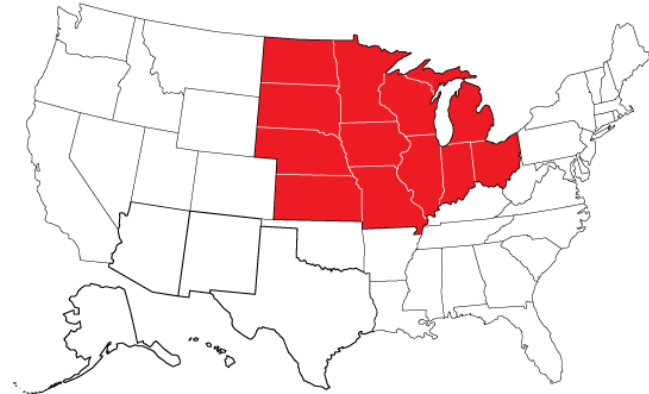
Practice

Write the fraction or mixed number as a percent.

i) $\dfrac{31}{50}$

j) $\dfrac{7}{25}$

k) $\dfrac{19}{20}$

l) $1\dfrac{1}{2}$

Review: Decimals to Fractions

Convert the following decimals into fractions

1) 0.6   2) 0.15

Review: Decimals to Fractions

Convert the following decimals into fractions

3) 0.125   4)   7.24

Review: Fractions to Decimals

Convert the following fractions into decimals

5) $\dfrac{3}{5}$

6) $\dfrac{1}{8}$

Review: Fractions to Decimals

Convert the following fractions into decimals

7) $\dfrac{5}{6}$

8) $3\dfrac{7}{8}$

Review: Percents to Fractions

Convert the following percents into fractions

9) 48%   10) 5.36%

$$19\% = \frac{19}{100} = .19$$

DOOP

Decimal   **Percent**

Converting...

Convert the following into decimals:

1) 48%   2) 9%

3) 75.5%

Convert the following into percents:

4) 0.13   5) 0.04

6) 0.027

Practice

Convert the following into decimals:

7) 0.3%   8) 0.0017%

9) 350%

Convert the following into percents:

10) 0.005   11) 5.8

12) 0.00093

Putting it all together...

Fill in the table with the appropriate converted value.

Fraction	Decimal	Percent
$\dfrac{2}{5}$		
	0.35	
		64%
$\dfrac{1}{8}$		