15.2

Comparing Fractions, Decimals, & Percents

Review: Putting it all together…

Fill in the table with the appropriate converted value.

Fraction	Decimal	Percent
$\frac{3}{8}$		
	0.65	
		85%
$\frac{5}{9}$		

Activity 1

Work with a partner. Decide which number is greater.

a. 7% sales tax or $\frac{1}{20}$ sales tax

b. 0.37 cup of flour or $\frac{1}{3}$ cup of flour

c. $\frac{5}{8}$-inch wrench or 0.375-inch wrench

d. $12\frac{3}{5}$ dollars or 12.56 dollars

Comparing Frac, Dec., and Perc.

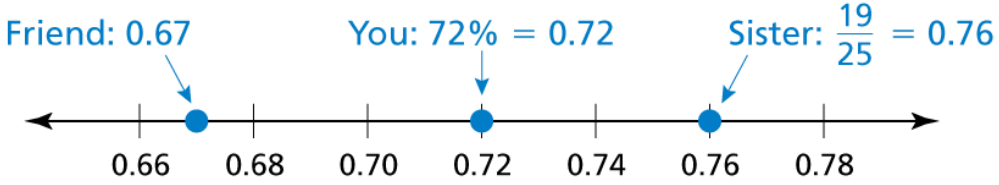
a. Which is greater, $\frac{3}{20}$ or 16%?

b. Which is greater, 79% or 0.08?

Real-Life Application

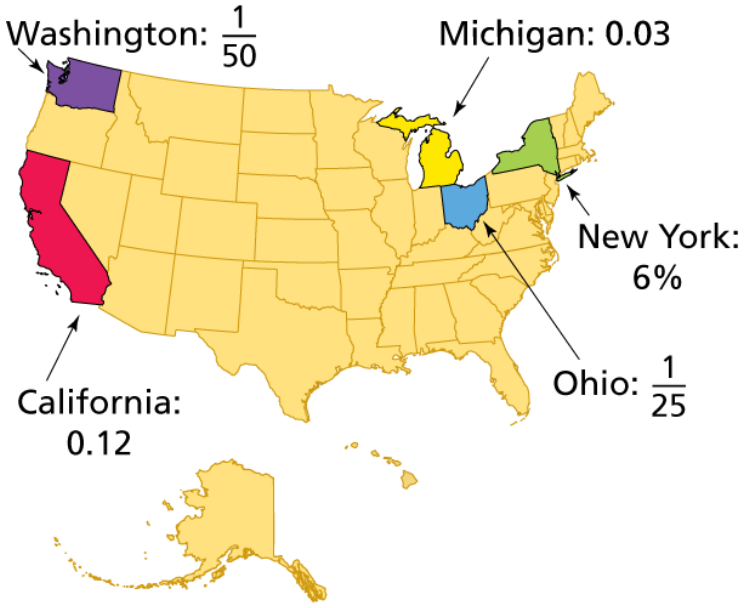
You, your sister, and a friend each take the same number of shots at a soccer goal. You make 72% of your shots, your sister makes $\frac{19}{25}$ of her shots, and your friend makes 0.67 of his shots. Who made the fewest shots?

Graph the decimals on a number line.



0.67 is the least number. So, your friend made the fewest shots.

Real-Life Application



The map shows the portions of the U.S. population that live in five states.

List the five states in order by population from least to greatest.

Activity 1

Work with a partner. Decide which number is greater.

e. 93% test score or $\frac{7}{8}$ test score

f. $5\frac{5}{6}$ fluid ounces or 5.6 fluid ounces

Activity 2

Work with a partner to order the following numbers.

$\frac{1}{8}$ 11% $\frac{3}{20}$ 0.172 0.32 43% 7% 0.7 $\frac{5}{6}$

a. Decide on a strategy for ordering the numbers. Will you write them all as fractions, decimals, or percents?

Activity 2

$\frac{1}{8}$ 11% $\frac{3}{20}$ 0.172 0.32 43% 7% 0.7 $\frac{5}{6}$

b. Use your strategy and a number line to order the numbers from least to greatest. (Note: Label the number line appropriately.)