

Lesson 4-2

Reinforce Understanding

Relate Fractions, Decimals, and Percentages

I can write equivalent fractions, decimals, and percents for the same value.

Worked model

A survey found 7 out of 20 students walk to school. Write that as a fraction, a decimal, and a percent.

1. Write the fraction, part over whole: $7/20$
2. Twenty times five makes one hundred, so multiply both terms by five.
3. That gives thirty-five hundredths, written as the decimal 0.35
4. Hundredths read straight across into percent form: 0.35 is 35%

Answer: $7/20$, 0.35, and 35% all name the very same amount.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Sort these values — which are greater than 50% and which are less than 50%?

Write the name of the correct group on each line.

Groups: Greater than 50% Less than 50%

- _____ $3/4$
- _____ 0.8
- _____ 65%
- _____ $7/10$
- _____ $1/3$
- _____ 0.25
- _____ 40%
- _____ $2/5$

2. Convert $3/5$ to a percent.

Circle the letter of the best answer. Show how you know.

- A. 35%
- B. 53%
- C. 60%
- D. 65%

3. Convert $7/20$ to a percent.

Circle the letter of the best answer. Show how you know.

- A. 14%
- B. 20%
- C. 35%
- D. 70%