

Lesson 3 Problem-Solving Practice

Percents and Decimals

1. **COMMUTING** According to the U.S. Census, 76% of U.S. workers commute to work by driving alone. Write 76% as a decimal.

2. **BASEBALL** A player’s batting average was 0.29 rounded to the nearest hundredth. Write 0.29 as a percent.

3. **ELECTIONS** In a recent U.S. midterm election, 39% of eligible adults voted. What is 39% written as a decimal?

4. **BASKETBALL** In a recent season, Jason Kidd of the Dallas Mavericks had a field goal average of 0.43 rounded to the nearest hundredth. What is 0.43 written as a percent?

5. **SPORTS** When asked to choose their favorite sport, 27% of U.S. adults who follow sports selected professional football. What decimal is equivalent to 27%?

6. **DRINKS** The table shows the percent of students in the sixth grade who chose each kind of drink as their favorite. Write the percent of students who chose tea as a decimal.

Drink	Percent of Votes
Tea	22%
Cocoa	5%
Water	18%
Milk	24%
Juice	31%

7. **WATER** About 5% of the surface area of the U.S. is water. What decimal represents the amount of the U.S. surface area taken up by water?

8. **POPULATION** China accounts for 0.21 of the world’s population. What percent of the world’s population lives in China?

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