

7-2 Word Problem Practice

Fractions, Decimals, and Percents

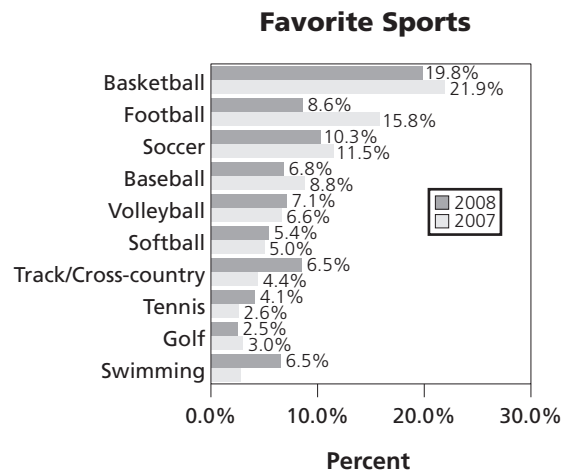
1. MUSIC In Ms. Todd's class, 23.5% of the students prefer country music, $\frac{5}{8}$ prefer pop music, and 0.14 prefer classical music. Which group is the largest?

2. POLITICS In the last election in Tasha's hometown, 7 out of 200 registered voters voted Independent. What percent of the registered voters is this?

3. ELECTRONICS An online poll posted the following question. "How many personal electronic devices do you carry around at any one time?" One-twentieth of the respondents said zero, 21% said one, 0.27 said two, $\frac{6}{25}$ said three and 23% claimed to carry four or more. How many personal electronic devices do most people carry?

4. CARS In an online poll, car owners were asked what type car they would buy if they were to buy a new car today. Two-fifths of the respondents said they would buy a gasoline-powered car, 0.13 selected a diesel engine car, and 43% chose a hybrid car. Which type of car did the largest group choose?

5. SPORTS A survey conducted by a marketing group compared teens' sports preferences in recent years.



- Which sport(s) did about 0.1 of those surveyed say was their favorite in 2008?
- Which sport(s) was the favorite of about $\frac{1}{5}$ of those surveyed in 2007?
- Which sport(s) was the favorite of about 5% of those surveyed in 2007?