Name:

Comparing and Scaling - Investigation 1 - Problem 1.1



Cola Survey

- 1. In a taste test, people who preferred Coke outnumbered those who preferred Pepsi by a ratio of 17,139 to 11,426.
- 2. In a taste test, 5,713 more people preferred Coke.
- 3. In a taste test, 60% of the people preferred Coke.
- 4. In a taste test, people who preferred Coke outnumbered those who preferred Pepsi by a ratio of 3 to 2.
- A. 1. How many how many people were surveyed?
 - 2. What equation can be used to obtain the information for statement #2?
 - 3. What equation can be used to obtain the information for statement #3?
 - 4. What equation can be used to obtain the information for statement #4?
- B. If you were to survey 1,000 cola drinkers, what number of the drinkers would you expect to pick:

Coke? Pepsi?

C. If you were to survey 2,500 cola drinkers, what of the drinkers would you expect to pick:

Coke? Pepsi?

D. Which of the 4 statements would be the easiest for an average person to understand?

Name:	
Required	Practice:
Mount	comparison taste test of two similar sodas, 780 7th graders preferred rain Dew. Only 220 7th graders preferred Mello Yello. Based on this nation, complete each statement:
a.	There were more people who preferred Mountain Dew.
b.	In the taste test,% of the people preferred Mountain Dew.
c.	People who preferred Mountain Dew outnumbered those who preferred
	Mello Yello by a ratio of to
that 750	enaw Dairy conducted a survey of Ann Arbor 7th grade students and found preferred Cookies and Cream while 1,250 preferred Chocolate. Based on mation, complete each statement:
a. '	The fraction of 7th graders who preferred Cookies and Cream is
b.	The percent of 7th graders who preferred Chocolate is
c.	People who preferred Chocolate outnumbered those who preferred
	Cookies and Cream by a ratio of to
recess du	rey of Tappan staff considered whether students should be allowed to have ring Advisory next school year. The ratio of teachers who support having those who oppose recess is 2 to 5.
a.	What fraction of the teachers oppose recess during Advisory?
b.	If there are 77 staff at Tappan, how many do you expect favor recess?
c.	What percent of the teachers oppose recess?