

Understanding Ratios

A string quartet consists of 2 violins, 1 viola, and 1 cello. Write a ratio for each comparison in three ways.

1. violins to cellos _____
2. cellos to violas _____
3. violins to all instruments _____
4. **Number Sense** How are the ratios in Exercises 1 and 2 different from the ratio in Exercise 3?

Midland Orchards grows a large variety of apples. The orchard contains 12 rows of Granny Smith trees, 10 rows of Fuji trees, 15 rows of Gala trees, 2 rows of Golden Delicious trees, and 2 rows of Jonathan trees. Write each ratio in three ways.

5. rows of Granny Smith trees to rows of Golden Delicious trees _____
6. rows of Fuji trees to the total number of rows of trees _____
7. A grade school has 45 students who walk to school and 150 students who ride the bus. The other 50 students are driven to school. Which shows the ratio of students who walk to school to the total number of students in the school?
A 45:50 **B** 45:195 **C** 45:150 **D** 45:245

8. **Writing to Explain** Steve said it does not matter which term is first and which term is second in a ratio, since ratios are different than fractions. Is he correct? Explain why or why not.
