

# Lesson 1 Problem-Solving Practice

## Ratios

1. There are 15 girls and 12 boys in Mrs. Johnson's math class. Express the ratio of boys to girls in simplest form.

2. The table lists the medal count for the five countries with the most medals in a recent Summer Olympics. Write a ratio of the number of gold medals won for the USA to the total number of medals won for the USA.

Country	Gold	Silver	Bronze	Total
USA	35	39	29	103
Russia	27	27	38	92
China	32	17	14	63
Australia	17	16	16	49
Germany	14	16	18	48

3. At Windy Pines Summer Camp, there are 255 campers and 30 counselors. Express the ratio of counselors to campers as a fraction in simplest form. Explain its meaning.

4. Students at Parkville Elementary go to school 6 hours a day. The sixth graders have 55 minutes for lunch and recess each day. Express the ratio of the time spent at lunch and recess to the total time spent at school in simplest form.

5. The table below shows the number of each type of animal found at a small zoo.

Animal	Number
Large mammal	75
Small mammal	159
Reptiles	88
Amphibian	92
Birds	107
Fish	73

Express the ratio of large mammals to small mammals as a fraction in simplest form.

6. Refer to the table in Exercise 5. Express the ratio of reptiles and amphibians to the total number of animals as a fraction in simplest form.