1) The fruit basket came with thirty pieces of assorted fruit. It included 10 strawberries, 1 pineapple, 5 apples, 5 pears, 6 apricots, and 3 plums.
Name at least 2 ratios (there's more than 2) that 1:3 might describe.

2) In Tabitha's supply box there were 12 pencils, 1 box of crayons, 2 glue sticks, 1 pair of scissors, and 3 blue pens. What is the ratio of pens to the number of items in the box?

3) If there are 14 boys and 16 girls in a class, explain how the ratio of boys to girls is 7 to 8.

4) A bakery made 50 muffins. 45 of the muffins contain nuts. What is the ratio of the number of muffins without nuts to the number of muffins with nuts?

5) The ratio of boys to girls at the basketball game is 8:5. There are 30 girls.

How many boys are there? How many more boys are there than girls? (Hint: Write ratios as fractions).

6) At the bird sanctuary there were a variety of birds in one large area. There were 2 parrots, 4 Blue Jays, 3 toucans, a peacock and many others. Explain why you cannot find the ratio of toucans to all the birds in the sanctuary.

7) In a telephone poll, 15 people said they like watching basketball and 1 person said he does not like watching basketball. What is the ratio of the number of people who do not like watching basketball to the total number of people polled?

8) Pat the Painter mixed 3 pints of yellow paint with 4 pints of green paint to make a nifty new color. He used 27 pints of yellow paint. How many pints of green paint will he need?

9) The ratio of the weight of Meg's cat to the weight of Anne's cat is 5:7.
Meg's cat weighs 20 pounds. How much does Anne's cat weigh? How much more does Anne's cat weigh?

10) There were 6 days in July that the temperature reached 110°F, 5 days that reached 105°F, and 4 days that the temperature hit 115°F. What is the ratio of the number of days that the temperature reached 105°F to the number of days that were at least 110°F?