Name _____   Date_____

Lesson 1: Ratios

Exit Ticket

1. Write a ratio for the following description: Kaleel made three times as many baskets as John during basketball practice.

2. Describe a situation that could be modeled with the ratio $4:1$.

3. Write a ratio for the following description: For every 6 cups of flour in a bread recipe, there are 2 cups of milk.

Problem Set

1. At the 6th grade school dance, there are 132 boys, 89 girls, and 14 adults.

   a. Write the ratio of the number of boys to the number of girls.

   b. Write the same ratio using another form ($A: B$ vs. A to B).

   c. Write the ratio of the number of boys to the number of adults.

   d. Write the same ratio using another form.

2. In the cafeteria, 100 milk cartons were put out for breakfast. At the end of breakfast, 27 remained.

   a. What is the ratio of the number of milk cartons taken to total number of milk cartons?

   b. What is the ratio of the number of milk cartons remaining to the number of milk cartons taken?

3. Choose a situation that could be described by the following ratios, and write a sentence to describe the ratio in the context of the situation you chose.

   For example:

   $3: 2$. When making pink paint, the art teacher uses the ratio $3: 2$. For every 3 cups of white paint she uses in the mixture, she needs to use 2 cups of red paint.

   a. 1 to 2

   b. 29 to 30

   c. $52: 12$

1. Write a ratio for the following description: Kaleel made three times as many baskets as John during basketball practice.

   A ratio of $3:1$ or 3 to 1 can be used.

2. Describe a situation that could be modeled with the ratio $4:1$.

   Answers will vary but could include the following: For every four teaspoons of cream in a cup of tea, there is one teaspoon of honey.

3. Write a ratio for the following description: For every 6 cups of flour in a bread recipe, there are 2 cups of milk.

   A ratio of $6:2$ or 6 to 2 can be used, or students might recognize and suggest the equivalent ratio of $3:1$.

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1. At the 6th grade school dance, there are 132 boys, 89 girls, and 14 adults.
   a. Write the ratio of the number of boys to the number of girls.

      $132:89$ *or* 132 *to* 89

   b. Write the same ratio using another form ($A:B$ vs. A to B).

      132 *to* 89 *or* $132:89$

   c. Write the ratio of the number of boys to the number of adults.

      $132:14$ *or* 132 *to* 14

   d. Write the same ratio using another form.

      132 *to* 14 *or* $132:14$

2. In the cafeteria, 100 milk cartons were put out for breakfast. At the end of breakfast, 27 remained.
   a. What is the ratio of the number of milk cartons taken to total number of milk cartons?

      $73:100$ *or* 73 *to* 100

   b. What is the ratio of the number of milk cartons remaining to the number of milk cartons taken?

      $27:73$ *or* 27 *to* 73