WORKSHEET IN MATH 6

NAME: _____

GRADE AND SECTION: _____

Lesson: Ratio

Objective: Express one value as a fraction of another given their ratio and vice versa. (M6NS-IIa-129).

Name: _____ Date: _____ Score: _____

KEY CONCEPT

To compare, let us use the concept of ratio. Ratio is a comparison of two quantities. If there are 22 girls and 19 boys, we can say that 22 is to 19. Other ways to express such comparison is by writing them using a colon, 22:19 or writing them in fraction form 22/19.

To compare the number of boys to the number of girls can be expressed in three ways as:

19 is to 22- word form   19:22 – colon form   19/22- fraction form

Activity

Directions: Read each question carefully. Encircle the letter of the correct answer.

1. If the ratio of boys to girls in a class is 3:5, what fraction of the class is boys?
   A. 3/8   B. 5/3   C. 8/3   D. 1/2
2. In a recipe, the ratio of sugar to flour is 1:4. What fraction of the mixture is sugar?
   A. $\frac{1}{2}$ B. $\frac{1}{4}$ C. 4/1   D. 2/3
3. If the ratio of red balls to blue balls is 2:7, what fraction of the balls are red?
   A. 7/2   B. 2/7   C. $\frac{1}{4}$ D. 5/9
4. In a bag of marbles, the ratio of green marbles to blue marbles is 1:3. What fraction of the marbles are blue?
   A. 3/1   B. $\frac{3}{4}$ C. 4/1   D. $\frac{1}{4}$
5. If the ratio of dogs to cats in a pet store is 5:6, what fraction of the animals are cats?
   A. 11/5   B. 5/11   C. 6/5   D. $\frac{1}{2}$
6. If 25% of a class is made up of boys, what is the ratio of boys to girls in the class?
   A. 1:4   B. 3:1   C. 4:1   D. 1:3
7. A rectangular field is divided into three equal parts. If one part is 2/5 of the total area, what is the ratio of the area of one part to the whole field?
   A. 3:5   B. 2:5   C. 1:5   D. 5:2
8. If the ratio of lemons to oranges in a fruit basket is 1:5, what fraction of the fruit is lemons?
   A. 5/1   B. 5/6   C. 1/5   D. 1/6
9. If the ratio of students who passed a test to those who failed is 3:2, what fraction of the students failed the test?
   A. 2/3   B. 5/2   C. 3/5   D. 1/3
10. If a recipe calls for 1/4 cup of milk for every 1 cup of flour, what is the ratio of milk to flour in the recipe?
    A. 4:1   B. 1:4   C. 1:3   D. 3:1