

Name: Key
Date: _____

Mr. Johnson
Math 8

Lesson 5.5 – Exploring Ratios

Investigate:

Complete the investigate activity on page 264 of your textbook. Work with a partner to answer the questions from the text. Use the space below to show your work.

Definitions:

Ratio: a comparison of two or more quantities with the same unit.

Two-Term Ratio: a comparison of two quantities with the same unit

Three-Term Ratio: a comparison of three quantities with the same unit

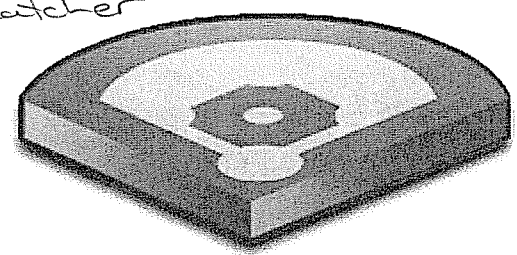
Part-to-whole Ratio: a ratio that compares a part of the whole to the whole

Part-to-part Ratio: a ratio that compares a part of the whole to another part of the whole

Examples:

1. A baseball team has 3 outfielders, 4 infielders, and a pitcher. Write each ratio.

battery
and catcher



a) outfielders to infielders

3:4

b) infielders to the pitcher

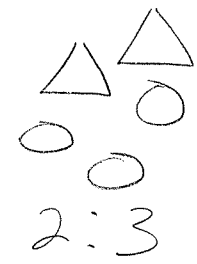
4:2

c) the pitcher to the entire team

2:9

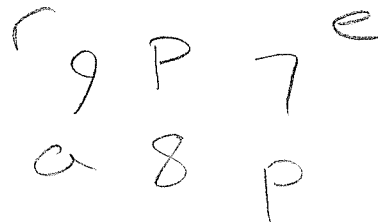
2. Draw two different diagrams to show the ratio 2:3.

hello
vowels to consonant
2:3



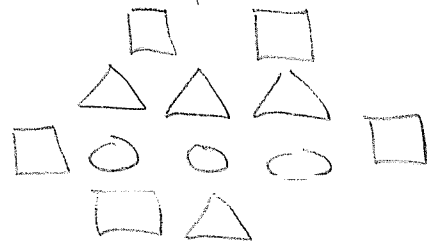
Draw a diagram to show the ratio 5:3.

letters : numbers
5:3



Draw a diagram to show the ratio 4:3:5.

triangles : circles : squares
4:3:5



3. How could you explain 3:4 as a part-to-part ratio?

even numbers to odd numbers

3:4

6, 8, 10, 11, 9, 7, 13

4. How could you explain 3:4 as a part-to-whole ratio?

circles to amount of total shapes

3:4



Assignment:

Pg. 266-268
#s 1, 4-10, 14, 16