

Lesson 3-1

Reinforce Understanding

Understand Ratios

I can write and describe a ratio that compares two quantities.

Worked model

1. Count each group. pens = 10 pencils = 4
2. Write them in the order the question asks — pens FIRST.
3. Write all three forms: 10 to 4 · 10 : 4 · 10/4
4. Simplify: divide both terms by 2. 10 : 4 → 5 : 2

Answer: The ratio of pens to pencils is 5 : 2 in simplest form.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Sort each statement: does it describe a ratio or NOT describe a ratio?

Write the name of the correct group on each line.

Groups: IS a Ratio NOT a Ratio

- _____ 7 pencils for every 3 erasers
- _____ 10 red beads to 4 blue beads
- _____ There are 15 chairs in the room
- _____ The pizza was delicious

2. A recipe uses 4 cups of milk and 1 cup of cream. What is the ratio of milk to cream?

Circle the letter of the best answer. Show how you know.

- A. 1:4
- B. 4:1
- C. 4:5
- D. 5:1

Show your work

3. Chef Reyes uses 6 strawberries and 2 bananas in a smoothie. What is the part-to-whole ratio of bananas to total fruit?

Circle the letter of the best answer. Show how you know.

- A. 2:8
- B. 2:6
- C. 6:2
- D. 8:2

Show your work
