



Ratios & ratio language

GRADE 6 MATH

Name _____

Date _____

Work through the sheet in order — it ramps from writing simple ratios to reasoning about them. Show your thinking; final answers go in the boxes. One skill: **writing ratios and using ratio language**.

WORKED EXAMPLE

A bowl has 4 muffins and 6 rolls. Ratio of muffins to rolls = **4 to 6** (4:6). In words: **for every 4 muffins there are 6 rolls**. (Keep the order you name them in.)

1. 5 cats and 3 dogs. Write the ratio of **cats to dogs**.

FLUENCY

Show your thinking

Answer

2. 8 pencils and 6 erasers. Write the ratio of **erasers to pencils**.

FLUENCY

Show your thinking

Answer

3. A bag has 7 red and 9 green marbles. Write the ratio of **red to green** using a colon.

FLUENCY

Show your thinking

Answer

4. A parking lot has 10 cars and 4 trucks. Write the ratio of **cars to trucks**, then describe it with “for every.”

APPLICATION

Show your thinking

Answer

5. A smoothie uses 3 bananas for every 2 cups of milk. Write the ratio of **bananas to milk** and the ratio of **milk to bananas**.

APPLICATION

Show your thinking

Answer

6. A class has 14 students; 8 of them wear glasses. Write the ratio of **students who wear glasses to the whole class**.

APPLICATION

Show your thinking

Answer

7. There are 9 forks and 6 spoons. Write the ratio of **forks to spoons**, then describe it in words two different ways.

REASONING

Show your thinking

Answer

8. A snack mix has 4 cups of pretzels and 6 cups of nuts. Ben writes the ratio of **pretzels to the whole mix** as 4:6. Explain his mistake and write the correct ratio.

REASONING

Show your thinking

Answer

9. In a garden the ratio of **roses to tulips** is 5 to 8. Priya says, “There are more roses than tulips.” Is she right? Explain using the ratio.

REASONING

Show your thinking

Answer