

Name _____

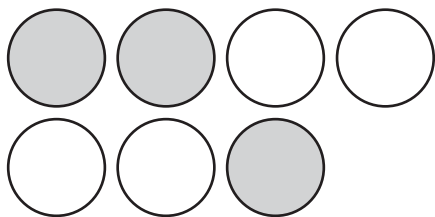
Model Ratios



COMMON CORE STANDARD—6.RP.1
Understand ratio concepts and use ratio reasoning to solve problems.

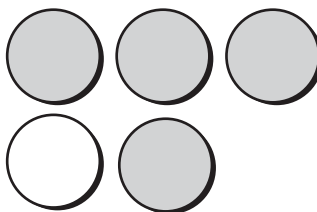
Write the ratio of gray counters to white counters.

1.

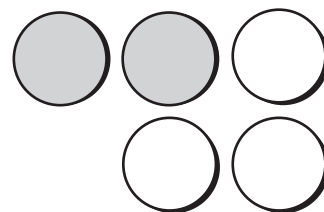


gray:white
3:4

2.



3.



Draw a model of the ratio.

4. 5:1

5. 6:3

Use the ratio to complete the table.

6. Marc is assembling gift bags. For every 2 pencils he places in the bag, he uses 3 stickers. Complete the table to show the ratio of pencils to stickers.

Pencils	2	4	6	8
Stickers	3			

7. Singh is making a bracelet. She uses 5 blue beads for every 1 silver bead. Complete the table to show the ratio of blue beads to silver beads.

Blue	5	10		20
Silver	1		3	

Problem Solving

8. There are 4 quarts in 1 gallon. How many quarts are in 3 gallons?

9. Martin mixes 1 cup lemonade with 4 cups cranberry juice to make his favorite drink. How much cranberry juice does he need if he uses 5 cups of lemonade?

Lesson Check (6.RP.1)

1. Francine is making a necklace that has 1 blue bead for every 6 white beads. How many white beads will she use if she uses 11 blue beads?
2. A basketball league assigns 8 players to each team. How many players can sign up for the league if there are 24 teams?

Spiral Review (6.NS.4, 6.NS.5, 6.NS.6a, 6.NS.7d, 6.NS.8)

3. Louis has 45 pencils and 75 pens to divide into gift bags at the fair. He does not want to mix the pens and pencils. He wants to place an equal amount in each bag. What is the greatest number of pens or pencils he can place in each bag?
4. Of the 24 students in Greg's class, $\frac{3}{8}$ ride the bus to school. How many students ride the bus?

5. Elisa made 0.44 of the free throws she attempted. What is that amount written as a fraction in simplest form?
6. On a coordinate plane, the vertices of a rectangle are $(-1, 1)$, $(3, 1)$, $(-1, -4)$, and $(3, -4)$. What is the perimeter of the rectangle?
