

6th Grade  
Dec 3, 2020

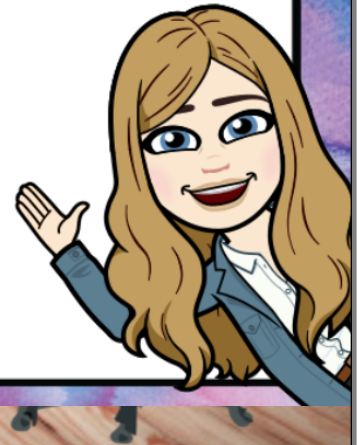
Please get out your homework from yesterday.

Today we will:  
-review HW  
-work on ratio  
"scavenger hunt"  
around the room

HOMEWORK:

Video notes

ALEKS 60 min and 5  
topics due Dec 8



For Exercises 1–10, write each ratio as a fraction in simplest form. Then explain its meaning.

1. 3 sailboats to 6 fan boats

$\frac{1}{2}$ ; For every 1 sailboat, there are 2 fan boats.

2. 4 tulips to 6 daffodils

$\frac{2}{3}$ ; For every 2 tulips, there are 3 daffodils.

3. 5 ducks to 30 geese

$\frac{1}{6}$ ; For every duck, there are 6 geese.

4. 5 baseballs to 25 softballs

$\frac{1}{5}$ ; For every baseball, there are 5 softballs.

5. 6 poodles to 18 beagles

$\frac{1}{3}$ ; For every poodle, there are 3 beagles.

6. 10 brown eggs to 12 white eggs

$\frac{5}{6}$ ; For every 5 brown eggs, there are 6 white eggs.

7. WALLPAPER The design on Santana's wall includes 16 pink stripes and 20 green stripes. Find the ratio of pink stripes to green stripes.

$\frac{4}{5}$ ; For every 4 pink stripes, there are 5 green stripes.

8. JAZZ BAND In the jazz band at Wyatt's school, there are 15 trumpets and 9 trombones. Find the ratio of trombones to trumpets.

$\frac{3}{5}$ ; For every 3 trombones, there are 5 trumpets.

9. WILDLIFE PARK At a wildlife park, Zoey counted 10 lions and 14 tigers. What is the ratio of lions to tigers?

$\frac{5}{7}$ ; For every 5 lions, there are 7 tigers.

10. MAILBOX In one week, Latrina received 18 letters and 8 bills. What was the ratio of bills to letters?

$\frac{4}{9}$ ; For every 4 bills, there were 9 letters.

$$\frac{8}{18} \div \frac{2}{9} = \frac{4}{9}$$

11. GYM CLASS Mr. Riley allowed a class of sixth graders to choose an activity for their gym class. What is the ratio of students playing volleyball to the total number of students? Write the ratio as a fraction in simplest form. Then explain its meaning.

$\frac{1}{3}$ ; Every 1 out of

3 students is playing volleyball.

$$\frac{12}{36} \div \frac{12}{12} = \frac{1}{3}$$

Gym Class Activities	
Activity	Students
Volleyball	12
Softball	21
Soccer	3

12. FRUIT SALAD In a fruit salad, there are 12 strawberries, 14 grapes, 6 kiwis, and 4 papayas. Find the ratio of kiwis to the total number of pieces of fruit in the fruit salad. Write the ratio as a fraction in simplest form. Then explain its meaning.

$\frac{1}{6}$ ; There is 1 kiwi for every 6 pieces of fruit.

$$\frac{6}{36} \div \frac{6}{6} = \frac{1}{6}$$



We are going to work in partners or small groups to count items around the room and compare their quantities with RATIOS. :)

You will use the worksheet on the following slide to know which items to compare.

I will explain the directions in class.

If you were absent, here are the numbers you need:

desks=20

students in 6PR: 15

students in 6P: 9

computers=1

trash cans=2

chairs=19

glasses=1

watches=1

white socks=2

pages in Bible=1394

white boards=3

windows=6

filing cabinets=3

skirts=1


pants or shorts=8

6th Grade  
In-class Assignment  
Ch. 1 Lesson 2

Writing Ratios Name \_\_\_\_\_ Date \_\_\_\_\_


Write a ratio for each comparison below in fractional form, with a colon, and in words.

- Number of student desks to number of students in class today
- Number of students to number of trash cans.
- Number of computers to the number of chairs (don't include desks)
- Number of students wearing glasses to the number of students wearing watches
- Number of students wearing <sup>white socks</sup> ~~hats~~ to total number of students
- Number of pages in <sup>the Bible</sup> ~~your notebook~~ to the number of pages in your <sup>planner.</sup> ~~textbook~~
- Number of people in your family (in your house) to the number of students in the room
- Number of <sup>white boards</sup> ~~posters~~ on the wall to the number of windows in the room
- Number of filing cabinets to the number of whiteboards
- Number of students wearing <sup>skirts</sup> ~~blue~~ to the number of students wearing <sup>pants or shorts</sup> ~~red~~



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 Name \_\_\_\_\_  
 Unit \_\_\_\_\_ Lesson \_\_\_\_\_ Due Date \_\_\_\_\_

# RATES

Rate: \_\_\_\_\_

\_\_\_\_\_

Unit Rate: \_\_\_\_\_

\_\_\_\_\_

## WE DO:

Desiree typed a 15-character text message in 5 seconds.

- Write the rate Desiree typed as a fraction.  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$  characters  
seconds
- What operation would you use to write the fraction in simplest form? \_\_\_\_\_

KEY IDEA: To find unit rate you need to **DUDE**  
 \_\_\_\_\_ by \_\_\_\_\_!

- a. Ama downloaded 35 songs in 5 minutes. How many songs did she download per minute?

- b. Jonathan is baking several loaves of bread to sell in his bakery. He used 9 cups of water and 12 cups of whole wheat flour. How much water was used per cup of flour?

## YOU DO:

Write each rate as a unit rate. (Examples 1 and 2)

Show  
your  
work. →

1. 44 points in 4 quarters = \_\_\_\_\_

2. 125 feet in 5 seconds = \_\_\_\_\_

3. 360 miles traveled on  
12 gallons of gasoline = \_\_\_\_\_

4. 12 meters in 28 seconds = \_\_\_\_\_