**Name:**

**6RP2 Homework Lesson 7**

Fill in the numbers for each real world situation to write a rate.

1. Tyler types 55 words in 13 minutes. \_\_\_\_\_\_\_words

 minutes

 2) Emma shot 23 baskets in 60 seconds. \_\_\_\_\_\_\_baskets

 seconds

 3) Theresa drove 100 miles in 3 weeks. \_\_\_\_\_\_\_miles

 weeks

4) There are 50 students in 3 classrooms. \_\_\_\_\_\_\_students

 classrooms

Fill in the numbers for each real world situation to write a rate and then simplify to write as a unit rate.



5) There are 70 chairs in 5 rows.

$$\frac{ chairs}{ rows}= \frac{ chairs}{ rows}$$

 6) Chris spends $20 on 4 toys. $\frac{ dollars}{ t-shirts }= \frac{ dollars}{ t-shirts }$

$\frac{ dollars}{ toys }= \frac{ dollars}{ toys }$$\frac{ dollars}{ hamburgers }= \frac{ dollars}{ hamburgers }$$\frac{ dollars}{ hamburgers }= \frac{ dollars}{ hamburgers }$

$\frac{ words}{ minutes}= \frac{ words}{ minutes}$

 7) Based on the information in question #6, how much did Chris spend per toy? Explain with a sentence, how you got your answer!

8) Three students are trying to decide how to equally divide 9 books.





1. Write a ratio in 3 ways to represent the comparison between books and people. Make sure to simplify your answer!
2. Is this comparison a rate? Why or why not?
3. How many books will each person get if they are divided equally?



9 ) Mrs. Smith buys her children 5 donuts for cleaning their rooms. The donuts cost $20 altogether. Answer the questions below based on this information.

1. Write a rate that compares donuts to dollars ($) as a fraction.
2. Write this ratio as a unit rate.
3. Fill in the blanks: Mrs. Smith spent $\_\_\_\_ on each donut for her children.

**6RP2 Homework Lesson 7 ANSWERS**

1. 55\_words

 3 minutes

 2) 23\_baskets

 60 seconds

 3) 100 miles

 3 weeks

4) 50\_students

 3 classrooms

5) $\frac{ 70 chairs}{ 5 rows}= \frac{ 14 chairs}{ 1 row}$

 6) $\frac{ 20 dollars}{ 4 toys }= \frac{ 5 dollars}{ 1 toy }$$\frac{ dollars}{ hamburgers }= \frac{ dollars}{ hamburgers }$$\frac{ dollars}{ hamburgers }= \frac{ dollars}{ hamburgers }$

$\frac{ words}{ minutes}= \frac{ words}{ minutes}$

 7) Chris spent $5 on each toy.

8) a. 9 books = 3 books = 3 books per person

 3 people 1 person

b. Yes, it compares 2 different quantities and 1 measurement has only 1 unit.

c. 3 books to 1 person.

9) a. 20 dollars

 5 donuts

b. 4 dollars

 1 donut

c. $4