**Name:**

**6RP2 Homework Lesson 7**

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

1. [](http://www.google.com/imgres?um=1&hl=en&biw=1440&bih=783&tbm=isch&tbnid=SHW5p-2DDmETMM:&imgrefurl=http://www.free-clipart-pictures.net/basketball_clipart.html&docid=vjtuHNVLvre62M&imgurl=http://www.free-clipart-pictures.net/free_clipart/basketball_clipart/basketball_clipart_hoop_ball.gif&w=200&h=200&ei=KkIqUNaLH-O-6QGLrYHIBw&zoom=1&iact=hc&vpx=386&vpy=194&dur=691&hovh=160&hovw=160&tx=128&ty=84&sig=113962307424882952232&page=1&tbnh=122&tbnw=122&start=0&ndsp=34&ved=1t:429,r:1,s:0,i:141)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.

[](http://www.google.com/imgres?um=1&hl=en&biw=1440&bih=783&tbm=isch&tbnid=WLZjbFUjJJFLaM:&imgrefurl=http://www.1stfoldingchairs.com/wooden_chairs_wood_cushion_wood.htm&docid=qBDF8QGZ1aG42M&imgurl=http://www.1stfoldingchairs.com/images/FoldingChair-Wood-Natural.jpg&w=291&h=435&ei=2kEqUMLvDNO66AHMj4DwDg&zoom=1&iact=hc&vpx=939&vpy=395&dur=261&hovh=275&hovw=184&tx=128&ty=215&sig=113962307424882952232&page=1&tbnh=139&tbnw=93&start=0&ndsp=26&ved=1t:429,r:23,s:0,i:215)

5) There are 70 chairs in 5 rows.

6) Chris spends $20 on 4 toys.

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

[](http://www.google.com/imgres?um=1&hl=en&biw=1440&bih=783&tbm=isch&tbnid=HPwzoWs8uoP_4M:&imgrefurl=http://www.aperfectworld.org/academic.htm&docid=C-sJ5wHVJkgkkM&imgurl=http://www.aperfectworld.org/clipart/academic/male_student.png&w=600&h=844&ei=CD4qUM-iDc7z6wGR_4GYAQ&zoom=1&iact=hc&vpx=1208&vpy=398&dur=378&hovh=266&hovw=189&tx=123&ty=163&sig=113962307424882952232&page=2&tbnh=143&tbnw=101&start=35&ndsp=37&ved=1t:429,r:7,s:35,i:272)[](http://www.google.com/imgres?um=1&hl=en&biw=1440&bih=783&tbm=isch&tbnid=G_tCCjEgL2dGtM:&imgrefurl=http://www.sics.se/isl/sicstuswww/site/student.html&docid=Nr4PCoH-kTgocM&imgurl=http://www.sics.se/isl/sicstuswww/site/images/student.jpg&w=464&h=720&ei=CD4qUM-iDc7z6wGR_4GYAQ&zoom=1&iact=hc&vpx=1168&vpy=80&dur=951&hovh=280&hovw=180&tx=113&ty=192&sig=113962307424882952232&page=1&tbnh=127&tbnw=82&start=0&ndsp=35&ved=1t:429,r:25,s:0,i:215)8) Three students are trying to decide how to equally divide 9 books.



[](http://www.google.com/imgres?um=1&hl=en&biw=1440&bih=783&tbm=isch&tbnid=26YawMVaP-g61M:&imgrefurl=http://www.glossyicon.com/old-book-vector/&docid=dh94Xx0nnfaPkM&imgurl=http://www.glossyicon.com/wp-content/uploads/2009/05/old-book.jpg&w=450&h=413&ei=yD0qUMedMYLq6wGI8oGICQ&zoom=1&iact=hc&vpx=1019&vpy=454&dur=1908&hovh=215&hovw=234&tx=120&ty=185&sig=113962307424882952232&page=1&tbnh=122&tbnw=133&start=0&ndsp=30&ved=1t:429,r:28,s:0,i:225)

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?

[](http://www.google.com/imgres?um=1&hl=en&biw=1440&bih=783&tbm=isch&tbnid=9miREcKC_vVaDM:&imgrefurl=http://www.123rf.com/photo_6799296_sweet-balance--donut-stack-5-iced-donuts-stacked-up.html&docid=WI7xQMtD6OKLbM&imgurl=http://us.123rf.com/400wm/400/400/yamix/yamix1004/yamix100400047/6799296-sweet-balance--donut-stack-5-iced-donuts-stacked-up.jpg&w=801&h=1200&ei=n0EqUNiuNoe16wHr7oGQBg&zoom=1&iact=hc&vpx=739&vpy=109&dur=1057&hovh=275&hovw=183&tx=91&ty=137&sig=113962307424882952232&page=1&tbnh=139&tbnw=88&start=0&ndsp=28&ved=1t:429,r:3,s:0,i:81)

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)

6)

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