Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ratios and Proportions/Rates/6.RP.2 Lesson 8 –Homework**



**Write each real-world example as a rate using labels. Then find the unit rate.**

1) Isabella spends $20 for 4 pounds of grapes.

2) Mrs. Thomas charges $60 for 120 minutes of tutoring.

3) Melissa types 1300 words in 13 minutes.

4) Maddy put 72 chairs in 4 rows.

In questions #5-6, determine which unit rate is greater.

5) Paul drove 600 miles in 10 hours and Mary drove 700 miles in 20 hours

|  |  |
| --- | --- |
| Paul | Mary |
|  |  |

[](http://www.google.com/imgres?hl=en&biw=1440&bih=783&tbm=isch&tbnid=b5IygEzmyTLZxM:&imgrefurl=http://openclipart.org/detail/116785/yellow-convertible-sports-car-by-netalloy&docid=7dwAoOi9c3l3uM&imgurl=http://openclipart.org/people/netalloy/yellow_convertible_sports_car.svg&w=612&h=325&ei=MWgqUIGCDoHA6AHB74GoDQ&zoom=1&iact=hc&vpx=1089&vpy=473&dur=165&hovh=163&hovw=308&tx=198&ty=88&sig=113962307424882952232&page=1&tbnh=97&tbnw=183&start=0&ndsp=24&ved=1t:429,r:17,s:0,i:191)

|  |  |
| --- | --- |
| Lily | Robby |
|  |  |

1. Lily reads 12 pages in 36 minutes and Robby reads 22 pages in 44 minutes.

[](http://www.google.com/imgres?hl=en&biw=1440&bih=783&tbm=isch&tbnid=ytQOjBXt62w72M:&imgrefurl=http://foodmapper.wordpress.com/2008/04/16/when-local-doesnt-work-orange-juice/&docid=V-Sa5D4zGLHqgM&imgurl=http://foodmapper.files.wordpress.com/2008/04/orange-juice.png&w=399&h=403&ei=I2wqULfGAunp6gGKlIDwCg&zoom=1&iact=hc&vpx=1174&vpy=165&dur=347&hovh=226&hovw=223&tx=186&ty=151&sig=113962307424882952232&page=1&tbnh=129&tbnw=123&start=0&ndsp=34&ved=1t:429,r:8,s:0,i:162)In questions #7, determine which unit rate is greater. Make your own table!

1. Tropicana charges $8 for 2 ounces of orange juice. Minute Maid charges $12 for 4 ounces of orange juice.
2. Holly needs to buy some fabric. She can buy 6 yards for $16.26 or 5 yards for $13.85.

$13.85

$16.26

5 yards

6 yards

$1.20

a) Find the unit price for the 6 yards of fabric.

b) Find the unit price for the 5 yards of fabric.

c) Which size fabric is the best value? Explain your answer.

**Ratios and Proportions/Rates/6.RP.2 Lesson 8 –Homework ANSWERS**

1. $5 a pound
2. $0.50 a minute
3. 100 words a minute
4. 18 chairs per row
5. Paul 60 miles per hour. Mary 35 miles per hour. Paul has the greater unit rate.
6. Lily 1/3. Robby ½. Robby has the greater unit rate.
7. Tropicana $4 an ounce. Minute Maid $3 an ounce. Tropicana has the greater unit rate.
8. 1. $2.71
   2. $2.77
   3. The 6 yards of fabric for $16.26 is the better buy because it is cheaper per yard.