2-1 Unit Rates with complex Fractions

Complex Fractions A fraction within a fraction! A fraction within a fraction! $\begin{array}{c} 1 \\ 1 \\ 1 \end{array}$ $\begin{array}{c} 1 \\ 1$ $\begin{array}{c} 1 \\ 1 \end{array}$ $\begin{array}{c} 1 \\ 1 \end{array}$ $\begin{array}{c} 1 \\ 1 \end{array}$

Unit Rates!

If I drive 300 miles in 4 hours, what is my rate of speed (miles per hour)?

300mil/4hvs=75mil/hv.

If I picked 5 1/2 pounds of apples in 3/4 hour, how many pounds per hour did I pick?

TRAM

Lexi walks 3 1/2 miles in 1 1/4 hours. How many miles per hour does she walk?

PANI

I can read 3/4 of a page in 2/3 of a minute. How many pages per minute can I read?

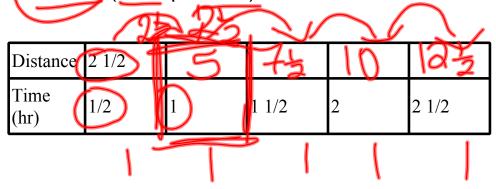


I use 4/5 cup of tomato sauce when I cut my recipe in 1/2. How many cups per recipe are

there?

Sometimes we can find unit rates by filling out tables.

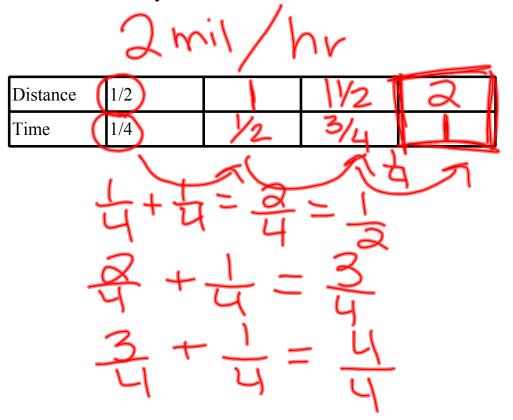
Luke likes running. He runs 2 1/2 miles every 1/2 hour. Complete the table to find out how far he runs in each time interval. Which one shows his unit rate (miles per hour)?



5mil/1hr

Complete the table to find the unit rate.

Jeff hikes 1/2 mile every 1/4 hour. What is his unit rate?



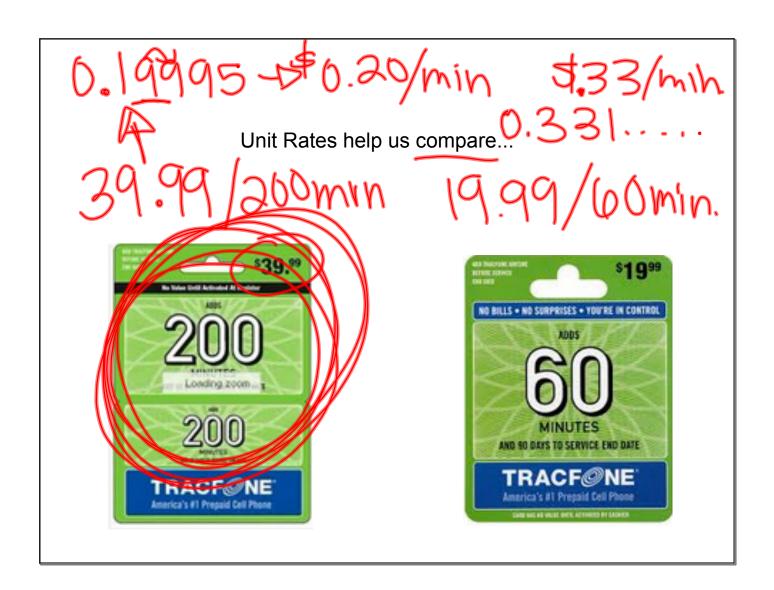
Complete the table to find the unit rate.							
Lisa hikes 1/3 mile every 1/6 hour. What is her unit rate?							
		3 3 3	2+1=3=1 3+3=1	3+1=4 3 3 3	3 3 7 1 3 3	5+ <u>[</u> 3 5 9=2	
Distance	1/3	2/3	1	1/3	12/3	2	
Time	1/6	1/3	1/2	2/3	5/6		
2 mil	1 th	2 - 13	12+12 1-13-10 1-10-12	3+6-6 2/3	4000	6/6 6/4	

How can we find unit rates?

table OR divide

Which way is easier?

Divide



Which one is cheaper??? (Find the cost per hour)



\$10

ATST
Worldwide
PrePaid
Card

\$00

\$10

540 × 167 - mymcx.com

Can talk for 1/2 hour

Can talk for 2.5 hours

\$3.25/12 hv \$3.25/30 min 0.1083....

\$0.11/min



\$10/2.5 hrs \$10/50min 0.0666... \$0.07/min

