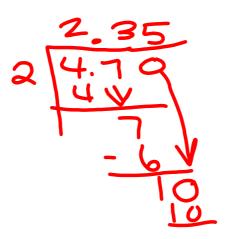
You need out your warm up & agenda

Homework: Unit Rates. CALCULATOR

Warm Up: NOT USING A CALCULATOR

1) Simplify:
$$\frac{56}{8}$$
 - 7 2) Simplify: $\frac{57}{8}$ + 5′-8 $\frac{7}{8}$ - 2

3) simplify: $\frac{4.7}{2}$



New Unit!!!

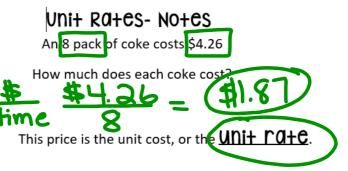
Unit 3- Ratios → Proportions

Don't be like this... Learn your unit rates!

https://www.youtube.com/watch?v=Qhm7-LEBznk

http://www.pbslearningmedia.org/resource/muen-math-rp-unitrate/unit-rate/?utm_source=pinterest&utm_medium=socialmedia&utm_campaign=WGBHmktg_2014





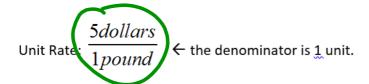
uni+: One	_
Rate: a ratio that compares 2	.\$4.ab
ROHE: a ratio that compares 2 different quantities	- 8 cokes
Unit Rate: rate that Is simplified so	
the denominator 15 1	<u>\$1.87</u>
	coke

When finding unit rates, money is always on the top (num.) & time is always on the bottom (denom.)



Julie bought 4 pounds of grapes for \$20. Find the unit price. (cost of 1 pound)



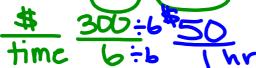


Talan biked 24 miles in 4 hours If he biked at a constant speed, how many miles did he ride in 1 hour?

$$\frac{miles}{hours} = \frac{24miles}{4hours} * \text{We need 1 as the denominator, so } \frac{24 \div 4}{4 \div 4} = \frac{6miles}{1hour}$$

Practice!

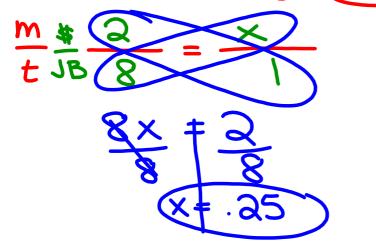
1) You earned \$300 in 6 hours. How much money did you make in 1 hour?



2) You drove 220 miles in 8 hours How many miles did you drive per hour?

3) Andrew bikes 160 km in 4 hours. How many km did he bike in 1 hour?

4) Find the unit price: It costs \$2 for 8 juice boxes.



5) In the table below, which soup has the lowest unit price?

SIZE (OZ)			Cost (4)				
10			0.79					
15			1.35					
18			2.16					
32			2.88					
O w		. 1	25		<u>k</u> 0	11 (1)	<u>‡</u> 2	99
A P	79	1 4	. 22	3	<u>#</u> d	.16 (9 18	<u> </u>	
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+ 07	<u> </u>	04_			06	0		
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•					0.10	ヽ゚゙゚゚゚゚゚゚゚゚		
	USF							L
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Uni+ Ra+es- Homework

- 1. You can buy 3 concert tickets for \$36. How much does 1 ticket cost?
- 2. Ben can type 153 words in 3 minutes. What is the unit rate?
- 3. You can travel 144 miles with 4.5 gallons. How many miles/gallon?
- 4. Your heart beats 120 beats per 2 minutes. What is your beats/minute?
- 5. Which relationship has a unit rate of 60 miles per hour?
 - a. 300 miles in 6 hours
 - b. 300 miles in 5 hours
 - c. 240 miles in 6 hours
 - d. 240 miles in 5 hours

There are 142 calories in 28 MnMs



A 12-count chick fil a nugget box is 400 calories.



There are 140 calories in a bag of Doritos that contains about 11 chips.





There are 180 calories in 3 Oreo cookies.



Unit Rates in the Real World-

The world's faster airplane can travel 6,579 miles in 3 hours. $\,$





The world's fastest car the Hennessey Venom GT can travel at 1,080 miles in 4 hours.





Closing:

- 5. Which relationship has a unit rate of 60 miles per hour?
 - a. 300 miles in 6 hours
 - b. 300 miles in 5 hours
 - c. 240 miles in 6 hoursd. 240 miles in 5 hours

Josh can eat 6 burgers in 2 minutes. How many burgers can he eat per minute?

Gage can do 20 pushups in 5 seconds.

Damien can do 30 pushups in 6 seconds.

J

C

5

Sit silently for the news