Name:_____ Date:_____

UNIT RATES

GUIDED NOTES

IMPORTANT VOCABULARY:

- **Rate:** A _____ of _____ quantities using different _____
- **Unit Rate:** A rate that compares a _____ to _____

UNIT RATES

1. Some examples of rates are:

2. Unit rates always a have a denominator of _____.
3. Some examples of unit rate are:

4. To find unit rate, write the rate as a _____.
5. Using _____, write an equivalent fraction with a denominator of 1.
6. Example:

$$\frac{90 \text{ miles}}{2 \text{ hours}} = \frac{\quad \text{miles}}{1 \text{ hour}}$$

GUIDED PRACTICE

Find the unit rate. $\frac{120 \text{ miles}}{3 \text{ hours}} = _____$	Find the unit rate. $\frac{100 \text{ pages}}{4 \text{ hours}} = _____$
Find the unit rate. $\frac{\$250}{5 \text{ pairs of shoes}} = _____$	Find the unit rate. $\frac{6 \text{ vacations}}{3 \text{ years}} = _____$

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UNIT RATES

PRACTICE PROBLEMS

Write the unit rate for each rate. Show all work.

#1 You score 84 points in 6 games.	#2 You read 165 pages in 3 hours.
#3 Mrs. Jones spend $15 of 12 bottles of water.	#4 Rick earns $67.50 for working 9 hours.
#5 You make 24 cookies using 2 cups of sugar.	#6 Jennifer makes 14 bracelets in 2 hours.
#7 Mrs. Coners has 120 students in 5 math classes.	#8 Rachel has 75.6 inches of ribbon to make 12 bows.

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UNIT RATES ASSESSMENT

Select the correct answer for each question.

1. Regan sold 14 necklaces and made a total of $210. If each necklace cost the same amount, how much did one necklace cost?
   a) $0.7
   b) $1.50
   c) $14
   d) $15

2. Jared took a road trip with his dads. They drove for 8 hours. They traveled a total of 496 miles. At what rate were they traveling?
   a) 0.016 miles per hour
   b) 8 miles per hour
   c) 60 miles per hour
   d) 62 miles per hour

3. What is the missing value?

$$\frac{\$105}{6 \text{ t-shirts}} = \frac{\bigstar}{1 \text{ t-shirt}}$$

   a) $17.50
   b) $18.50
   c) $60
   d) $630

4. What is the missing value?

$$\frac{\bigstar}{12 \text{ books}} = \frac{\$8.25}{1 \text{ book}}$$

   a) $0.68
   b) $12
   c) $42
   d) $99

5. Jordan spends $9.90 for 5 pounds of apples. Find the unit cost.
   a) $1.98
   b) $19.80
   c) $49.50
   d) $59.90

6. Jeremiah is purchasing food for a party. He can only purchase food items that cost less than $2 per unit. Select all the items that Jeremiah can purchase.
   a) 6 donuts for $7.50
   b) 12 bottles of soda for $26.40
   c) 8 candy bars for $16.80
   d) $9 for 5 oranges
   e) $33 for 20 sandwiches

Answer the question below. Be sure to show all of your work.

7. Tamica is making a fruit salad. She spends $3.30 on 6 kiwis, $8.40 on 3 pounds of grapes and $8.54 for 7 bananas. Find the unit cost of each.