

Homework #10: Due Friday, Nov. 22

Name _____
Buckley or Gietzen

1. Henry plays on a baseball team. Each of his **25 times at bat** was recorded below.

a. What is his **ratio** of at bats to strikeouts (in simplest form)?

_____ to _____

Strikeouts	10
Base Hits	8
Home Runs	4
Walks	3

b. In 50 times at bat, **how many base hits** should Henry get?

c. What is his **ratio** of walks to homeruns? _____ to _____

2. Use the information in the table to find the number of bowls needed to hold the candy.

Candy	45	90	120	150	210
Bowls	1.5		4	5	

What is the **unit rate** of candy per bowl? _____

3. The table below shows the money that Kyle makes mowing lawns. Use the table to answer the following questions.

July Earnings		
Week	Lawns Mowed	Total Income (dollars)
1	6	84
2	2	28
3	3	
4		70

a. Kyle charges the same amount per lawn for each lawn he mows. Fill in the missing values above.

b. What is the **unit price**? _____

c. If Kyle mows 48 lawns over the entire summer, how much **money** will he earn? _____

Find the unit rate for each situation below.

8. Trisha drives 200 miles in 4 hours.

9. Cans of baked beans cost \$2.40 for 3 cans.

10. Derek put 26 batteries into 13 smoke detectors.

11. Crystal spent \$83.70 on 6 tickets to the theater.

12. Garrett needs 0.5 hour to install 4 new tires.

13. There are 630 calories in 6 bananas.

14. George is planning his road trip. He uses a **rate table** to determine the cost of a certain number of gallons of gas.

a. Fill in the missing values in the table.

Gallons of Gas	3	5	6		10
Cost (\$)	12		24	32	40

b. How many gallons of gas did he buy if it cost \$80?

c. What is the cost of 13 gallons of gas?

d. What is the **unit rate** in cost per gallon?

15. Peter is babysitting his little cousins over October break. He earned \$42 in 6 hours.

a. What is the **ratio** of the total dollars earned to the number of hours it took?

b. Write the ratio (from part a) as a **unit rate**.

c. If Peter wants to earn \$63 babysitting during Thanksgiving break, how many hours would it take him?