Name _____   Per_____

Ratio, Rates, & Better Buy LC Review Packet

Use the diagram above to answer the following questions: ALL ANSWERS MUST BE IN SIMPLEST FORM.

1. What is the ratio of police cars to fire trucks?

2. What is the ratio of fire trucks to pickup trucks?

3. What is the ratio of police cars to vehicles?

4. What is the ratio of vehicles to pickup trucks?

5. What is the ratio of pickup trucks to police cars?

6. What is the ratio of vehicles to fire trucks AND pickup trucks?

7. What is the ratio of pickup trucks to police cars?

8. What is the difference between a ratio and a rate?

9. Circle the rate:

$$\frac{90 books}{10 magazines}$$ $$\frac{90 books}{10 comicbooks}$$ $$\frac{90 books}{10 students}$$

10. Convert the circled rate in #9 to a unit rate:

11. Jake works at Blue Moon Bakery and was very happy when he got his first paycheck. He worked 11.5 hours and the check was for $138. What is Jake's rate of pay? (1 hour : $?). Find that and complete the equivalent ratio table below:

12.

Hours	1	2			11.5	15
$			$60	$96	$138	

13. Graph the table from #12.

    Connect the points with a ray.

$$$

| | | | | | | | | | | | | | | | | |
192
180
168
156
144
132
120
108
96
84
72
60
48
36
24
12
0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Hours

14. Use the graph to find Jake's paycheck amount if he worked 7½ hours: $_____

15. Find the better buy by solving for the unit rate of each and then comparing. Circle the better buy:

Shaw's price: $10.92

Stop & Shop price: $7.32