Name:_____

Period: _____ Date: _____

7ACC SBAC Practice: Proportions

Calculators are accpetable

1). Jill swam ⅕ of a mile in 6 minutes. How fast did she swim (in miles per hour)?

2) Betty was running at a speed of 6 mph. If she ran 2.5 miles, for how many **minutes** was she running?

3) A $80 jacket was on sale for 1/10 off the original price. If I have a coupon for ⅙ off the discounted price, what will I pay for the jacket?

4) Emily buys a toaster for 1/10 off of the original price. She paid $36. What was the original price?

5) Betty's Furniture Store buys a bed frame at a wholesale price of $151.00. If the markup rate at Betty's Furniture Store is ½ , what is the new price (retail price) for the bed frame?

6) John left home and drove at the rate of 45 mph for 2 ¾ hours. He stopped for lunch then drove for another 3 ½ hours at the rate of 55 mph to reach his destination. How many miles did John drive?

7) Joan is going on a bike trip. She plans to ride 9 miles in 45 min. At what rate **mi/hr.** must she travel?

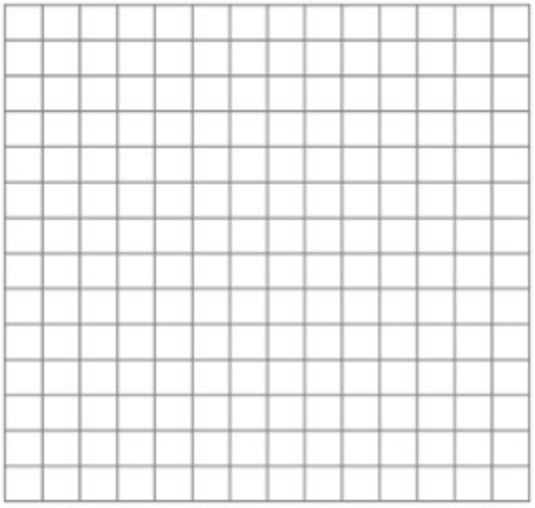
Use this information for problems 8 - 15

Mrs. Ferrell wants make cupcakes for tonight's dance. She can make 48 cupcakes in ¾ of an hour. Use this information to fill in the chart and make a graph.

8)

Time (hrs)	# of Cupcakes
0	
1/2	
1	
1 1/2	
2	

9)



Time

10) What is the constant of proportionality for this problem?

11) Write an equation for this relationship?

12) What ordered pair represents the unit rate?

13) What does the point (2.5, 160) mean in the context of this problem?

14) How can you tell the rate is proportional (based on the table)?

15) How can you tell the rate is proportional (based on the graph)?