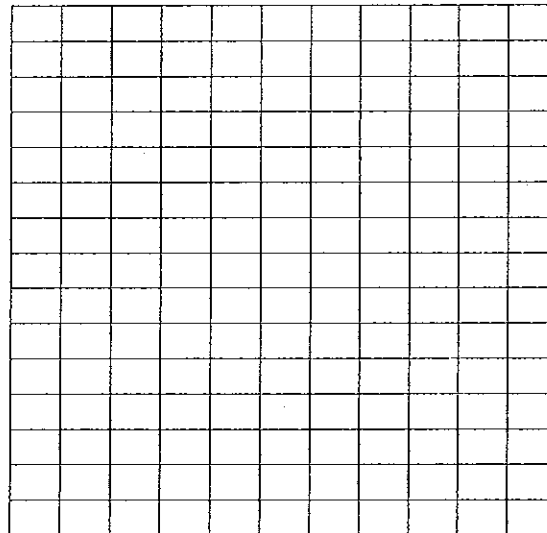


Name: _____ Partner's Name: _____

Personal Rate _____

1. Create a table of values for your rate from 0 to 10 minutes.

2. Graph your data. Be sure to label the graph carefully.



3. Write an algebraic expression to describe your graph.
4. Assuming the rate is constant, answer the following questions about your graph.
- a) How many _____ (e.g. beats, words, etc.) would you have after:
9 minutes? _____ 4.5 minutes? _____ 1 hour? _____
- b) How much time would need to pass for your answer (beats, words etc) to reach 40?

- c) Compare your graph with your partners. Describe how they are *similar* and how they are *different*.
-

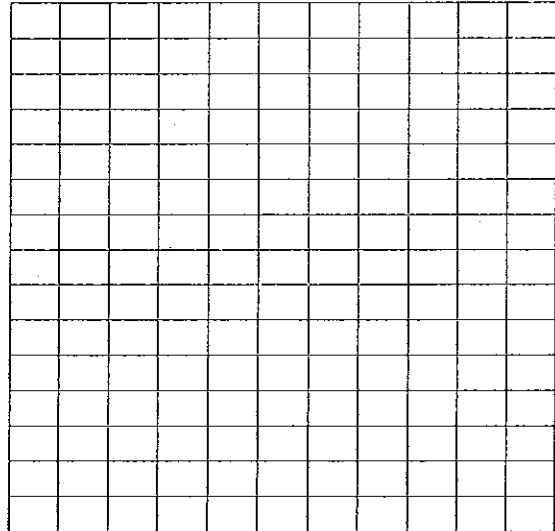
PART A: Select one of the following rates to complete the table of values, graph and create an expression.

- Bob swam 25 m in a minute.
- A student types 63 words per minute.
- A plane flew 150 km in 15 minutes.

1. Create a table of values for the rate from 0 to 10 minutes.

Time (minutes)	Distance (meters)
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

2. Graph the data. Be sure to label the graph carefully.



3. Write an algebraic expression to describe the graph: _____

PART B: The graph shows the distance travelled by a car travelling over 5 hours.

1. How far did the car travel in 1 hour?
2. What is the average speed of the car?
3. Explain how you answered question 2.

