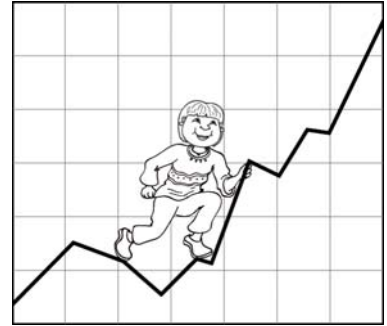


# How Should I Move?

NAME \_\_\_\_\_

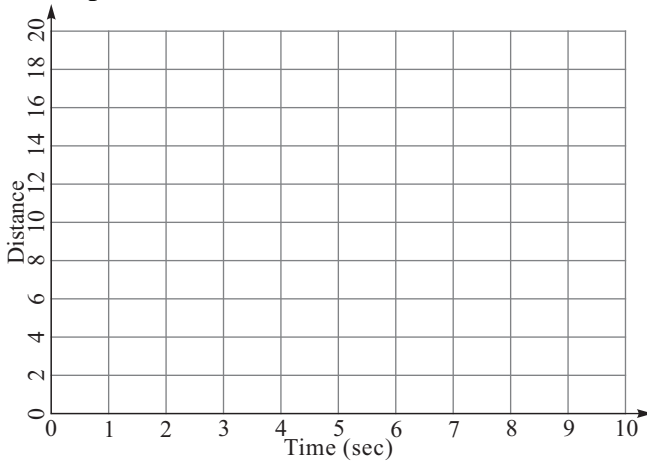
1. Current Graph Pair: \_\_\_\_\_

2. Make two conjectures to describe the movement needed to create the best graphs.



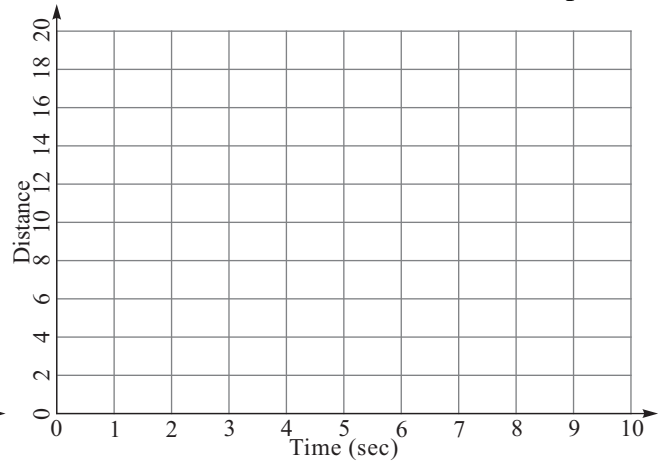
3. Sketch the best graphs below and write down the number of the group that created them.

Graph A



Group \_\_\_\_\_

Graph B



Group \_\_\_\_\_

4. Were either of your group's conjectures correct?

5. Describe the movement that was used to create the best graph for graph A.

6. Describe the movement that was used to create the best graph for graph B.

7. Describe what was similar and different about the movements in graphs A and B.
8. Describe what was similar and different about the movements in this graph pair and previous graph pairs.
9. Complete the table for each graph, and write the equation(s). Then, explain how to use the equation(s) to produce the movements needed to create the graph.

Graph A

TIME ( $x$ )	POSITION ( $y$ )
0	
2	
4	
6	
8	

Equation(s):

Explanation:

Graph B

TIME ( $x$ )	POSITION ( $y$ )
0	
2	
4	
6	
8	

Equation(s):

Explanation: