

Hot Wheelin' Physics

Name _____

Follow your teacher's directions to complete this lab activity.
Be sure to record your lab results in the charts!

Trial 1:

Point	Distance	Time
A		
B		
C		
D		
E		

Trial 2:

Point	Distance	Time
A		
B		
C		
D		
E		

Trial 3:

Point	Distance	Time
A		
B		
C		
D		
E		

$$\text{Speed} = \text{Distance} \div \text{Time}$$

1. Calculate the speed for each trial using the total time and total distance. Show your work!

Trial 1: _____

Trial 2: _____

Trial 3: _____

2. Calculate the speed from Point B to Point C for each trial. Show your work!

Trial 1: _____

Trial 2: _____

Trial 3: _____

3. Calculate the speed from Point D to Point E for each trial. Show your work!

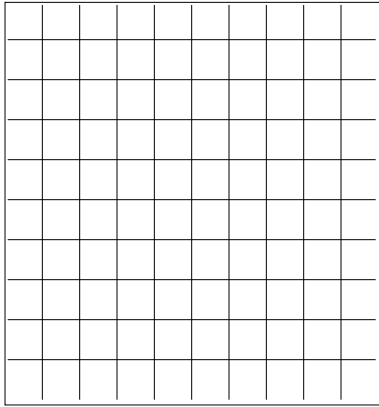
Trial 1: _____

Trial 2: _____

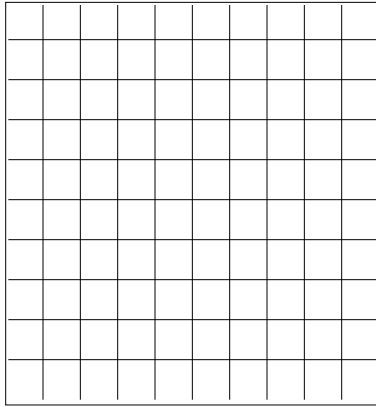
Trial 3: _____

4. Construct a graph to show your results. Be sure to label each graph!

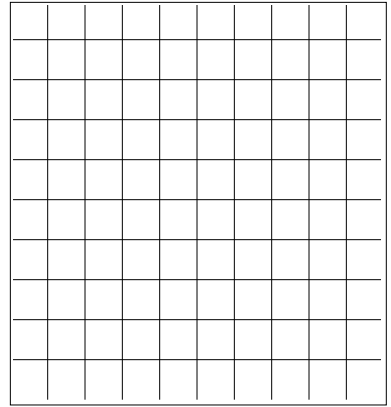
Trial 1:



Trial 2:



Trial 3:



5. Do your graphs represent a constant speed or an average speed?

6. Are your results reliable? Explain.