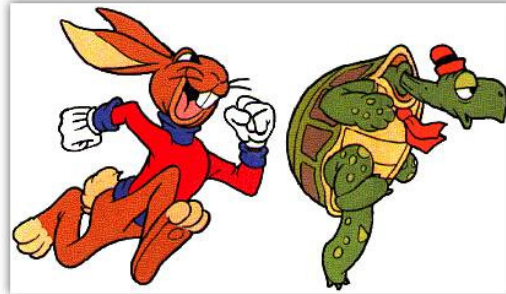


Name: _____

Period: _____

Tortoise and Hare

Lab



Question: How much of a head start does the tortoise need to finish at least in a tie with the hare?

Problem: Determine head start distance for tortoise so that it finishes in either a tie or less than a car length ahead of the hare.

Materials:

Procedures:

Data: (Draw a table of position versus time for both cars, then draw a graph) Remember to use a ruler or straight edge for both!

Analysis: Use the graph to figure out where to place the "tortoise" so that both cross 5 meter finish line at the same time!

Conclusion: (Explain how you used the data to determine the tortoise's location. Also, how did the race finish?)