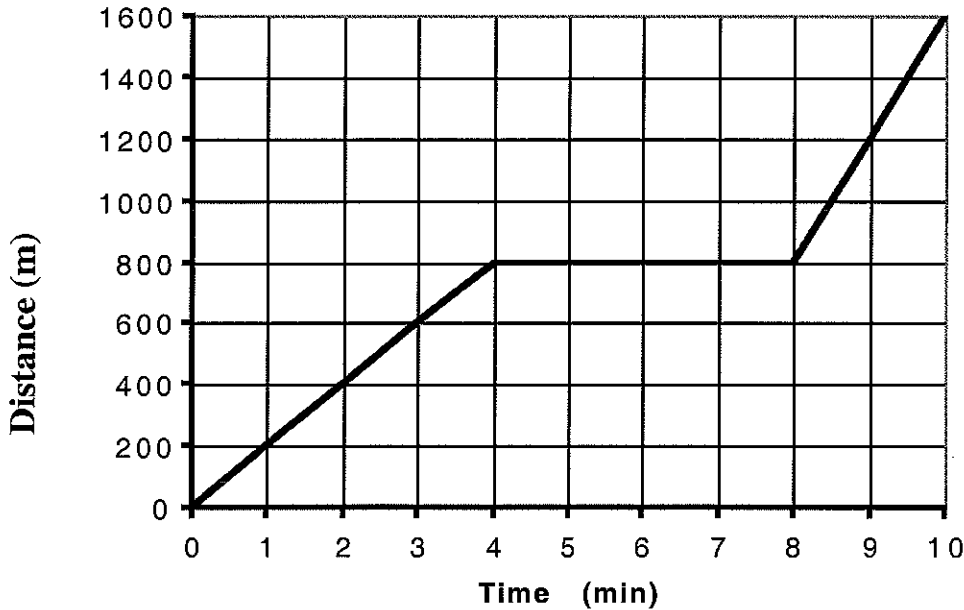


Worksheet: Graphing Velocity

(Frameworks Code)

Part A: On Saturday, Ashley rode her bicycle to visit Maria. Maria's house is directly **East** of Ashley's. The graph shows how far Ashley was from her house after each minute of her trip.

Distance vs. Time



1. Ashley rode at a constant speed for the first 4 minutes of her trip. What was her constant speed? _____
2. What was her average speed for the entire trip? _____
3. What was her average **velocity** for the entire trip? _____
4. Ashley stopped to talk with another friend during her trip. How far was she from her house when she stopped? _____
5. Ashley's brother rode beside her for several minutes. During this time, was he moving relative to Ashley?

Part B: From the list below, choose the term that best completes each sentence. Write your answers on the line.

- | | | | | |
|--------|-------|---------|-----------------|-------|
| motion | slope | foot | reference point | |
| yard | meter | average | velocity | speed |

6. The steepness of the line on a graph is its _____.
7. An object is in _____ when its distance from a(n) _____ is changing.
8. Speed in a given direction is _____.
9. _____ can be calculated if you know the distance that an object travels in 1 unit of time.
10. The basic SI unit of length is the _____.