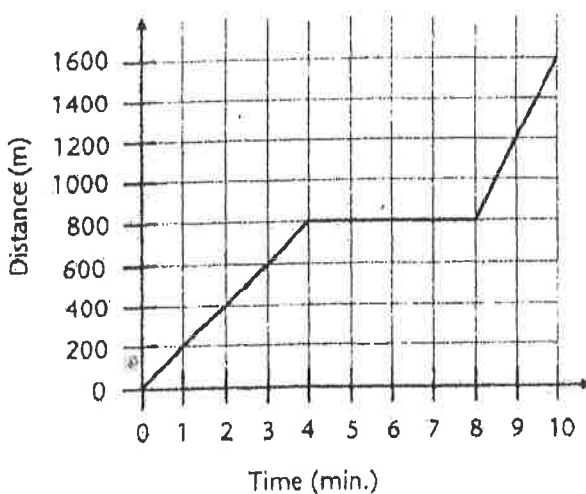


Distance-Time Graphs

Use the following paragraph and graph to answer questions 1 through 6.

On Saturday, Erin rode her bicycle to visit Caroline. Caroline's house is directly east of Erin's. The graph shows how far Erin was from her house after each minute of her trip.



1. Erin rode at a constant speed for the first 4 minutes of her trip. What was her constant speed?

2. What was Erin's *average speed* for the entire trip?

3. What was her average *velocity* for the entire trip?

4. Erin stopped to talk to with another friend during her trip. How far was she from her house when she stopped?

5. What is the slope of the line after Erin stopped to talk with her friend?

6. How is the slope of the line related to her speed?

Vocabulary Practice

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 an object travels in one unit of time.