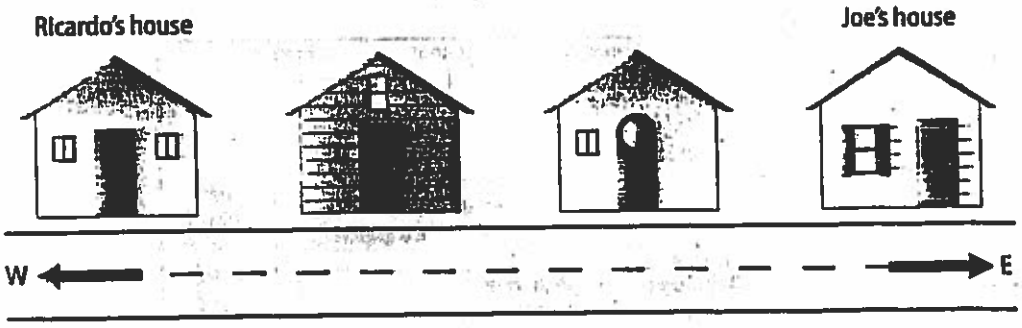
Name _____ Date _____ Class _____

Key Concept Builder LESSON 1

Position and Motion

Key Concept How does the description of an object's position depend on a reference point?



Directions: *Use the diagram to answer each question.*

Ricardo and Joe live in houses on the same street, as shown in the diagram. Ben plans to visit Ricardo one evening, but he's afraid he won't be able to read the house addresses in the dark. However, he knows where Joe lives.

1. What simple direction can Ricardo give Ben to enable him to find his house after dark?

_____

_____

_____

2. In the example above, what does Joe's house serve as?

_____

3. What other two pieces of information form a complete description of a position?

_____

4. What two terms are sometimes used to indicate opposite directions from a point?

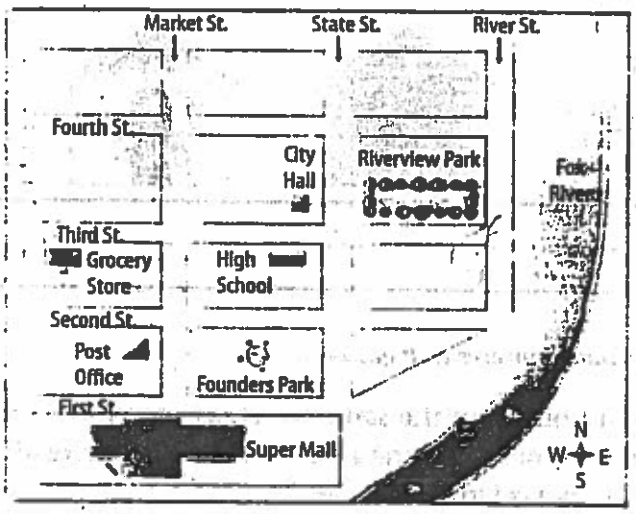
_____

Name _____ Date _____ Class _____

School to Home **LESSON 1**

Position and Motion

For this activity, you will need the map below, a ruler, and a pencil. Refer to your textbook if you need help.



1. You are standing at the corner of River Street and Third Street. A friend calls and tells you to walk three blocks west of your present position to meet her. Where is your friend? What is the reference point for her directions?

_____

_____

_____

2. Someone is standing at the southwest corner of Riverview Park. He wants to go to the post office by the shortest route. Write a set of directions for him. What distance will he walk?

_____

_____

_____

3. Use a ruler and pencil to draw a line on the map that represents the displacement of the person who walked from Riverview Park to the post office in the question above. Without measuring, determine whether his distance walked and displacement are equal. Explain your answer.

_____

_____

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