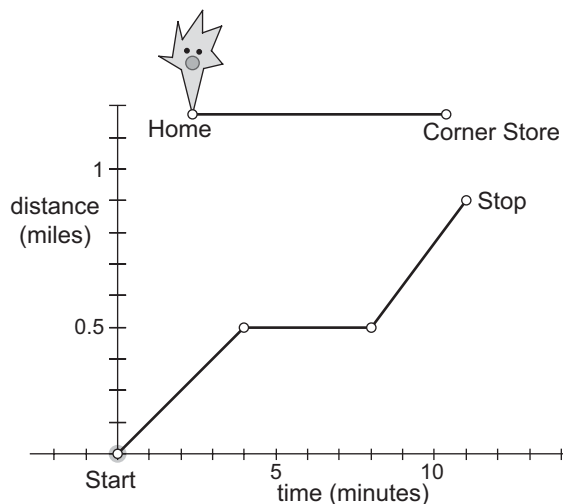# Mellow Yellow

For GSP5   Name:

In this activity you'll try to describe and predict how different motions, such as stopping, walking slowly, or walking very quickly, are represented on a graph.

EXPLORE

1. Open **Mellow Yellow.gsp** and go to page "Story 1." Press *Go!*, and then press *Show Story.* Describe how the features of the graph (the axes, slopes, and points) correspond to the story of Mellow Yellow's walk.

2. Go to page "Story 2." Read the story and compare the graph to the story. Then press *Go!*, and describe the different types of motion you see in Story 2 compared to Story 1.

3. Go to page "Story 3." Read the story and then press *Go!*. Decide whether the graph corresponds to the story. If not, change the graph (or the story!). Describe what you did.

4. Go to page "Fit the Story." Read the story and drag points 1 and 2 to make the graph fit the story. Check your graph by pressing *Go!,* and describe what you did.

5. Go to page "Write a Story." Write a story that fits the graph. Check your story by pressing *Go!.* Change your story if necessary. Then write your final story here.

EXPLORE MORE

6. Write your own story, but this time imagine that Mellow Yellow has to travel only to the bus stop, which is halfway to the corner store, in about 10 minutes. Then write a story in which she travels to the bus stop, but in about 5 minutes. Fit the graph to each of your stories.