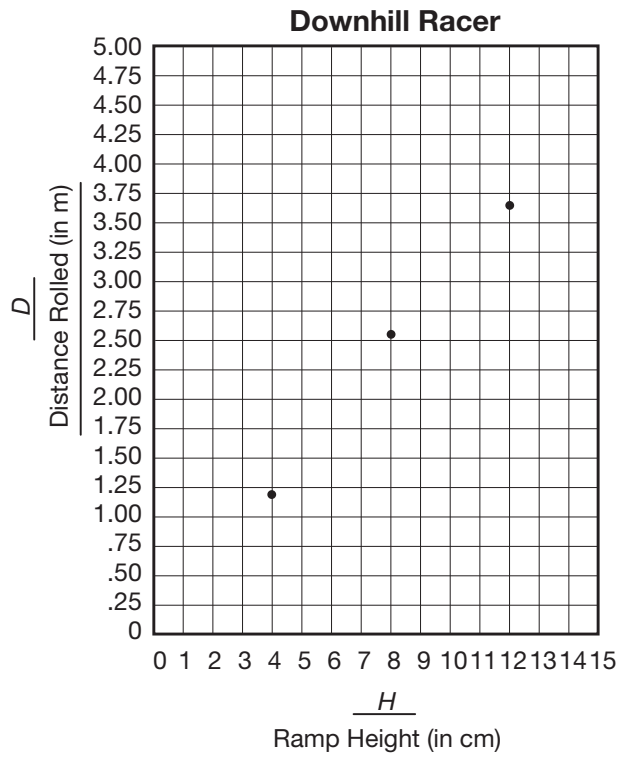


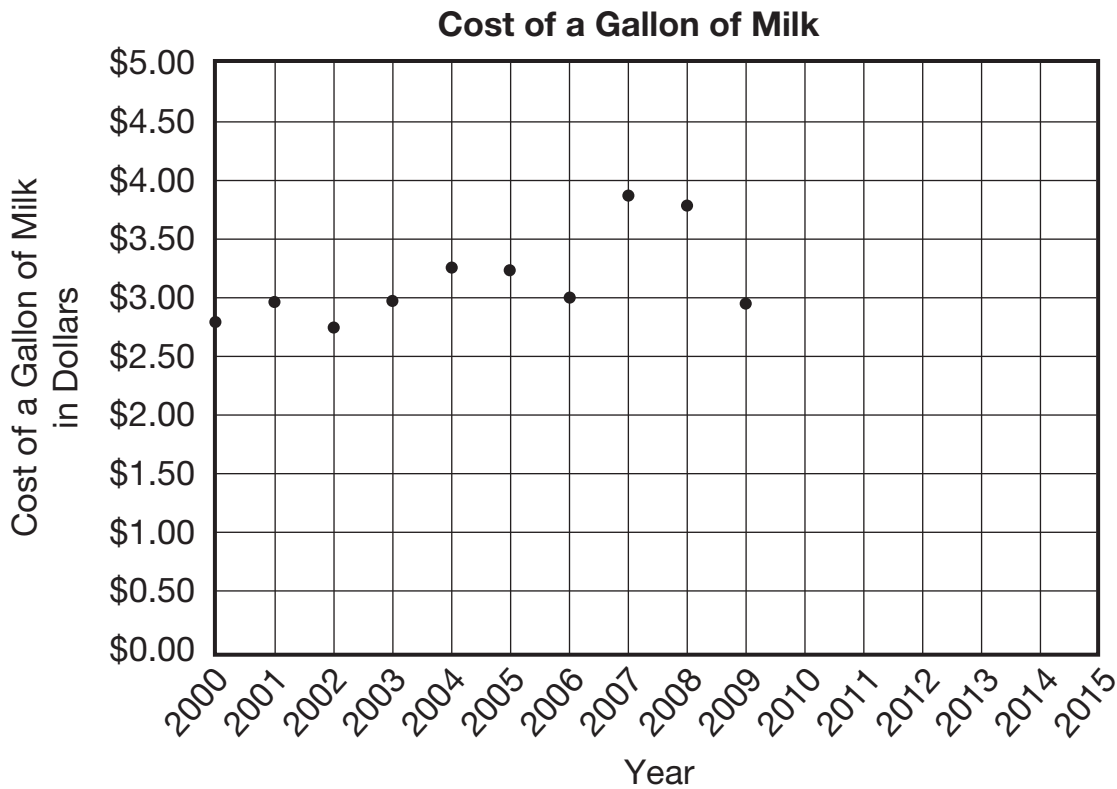
Using Graphs

Lee Yah tried the Downhill Racer experiment at home on her front steps. She rolled a toy car down a ramp from three different heights. Here is her graph.



1. **A.** Do the points seem to form a line? If yes, use a ruler (or something straight) to draw a best-fit line.
- B.** Did the distance the car rolled increase or decrease as the height of the ramp got higher? Explain.
- C.** If possible, predict how far the car would roll if Lee Yah sets the ramp height at 9 cm. Show or tell how you decided.
- D.** If possible, predict how far the car would roll if the ramp height were 15 cm. Show or tell how you decided on your answer.

This graph shows the cost of a gallon of milk from 2000 to 2009 in the United States.



2. **A.** Do the points seem to form a line? If yes, use a ruler (or something straight) to draw a best-fit line.
- B.** Did the cost of a gallon of milk increase or decrease from 2000 to 2009? Explain.
- C.** If possible predict the price of a gallon of milk in 2015. Show or tell how you decided on your answer.
- D.** What is the cost of a gallon of milk at a store near you today?