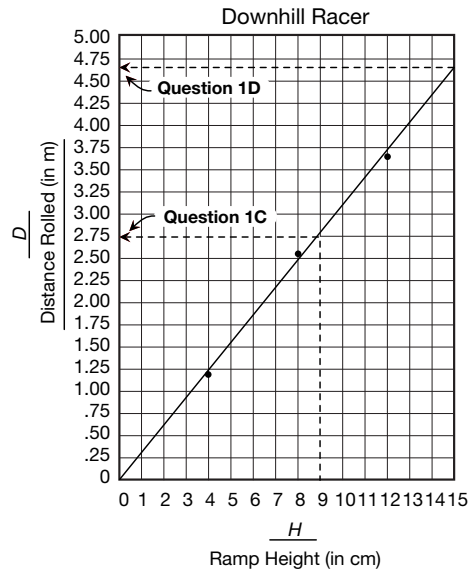


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Questions 1–2 (SAB pp. 551–552)

I. A.



- B. Increase. Possible explanation: Each time you go one cm to the right on the graph, the distance the car rolls gets larger.
- C. About 2.75 m; See graph above.
- D. About 4.60 m; See graph above.

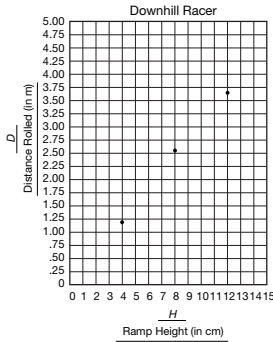
- 2. A. The points do not form a line.
- B. Answers will vary, but students must justify their answers. Possible response: The cost of a gallon of milk was about the same in 2009 as in 2000, but the price went up and down between those years.
- C. Answers will vary, but students must justify their answers. Students may say that the cost of a gallon of milk will stay around \$3 per gallon since it was close to \$3 for all the years except 2007 and 2008. Or, students may say that since the cost varied so much, it will be hard to predict the cost in 2015.
- D. Answers will vary.

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Name _____ Date _____

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.



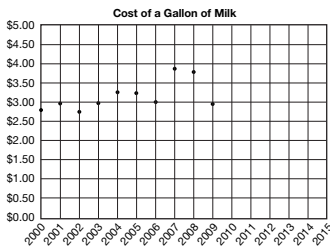
- 1. A. Do the points seem to form a line? If yes, use a ruler (or something straight) to draw a best-fit line.
- B. Did the distance the car rolled increase or decrease as the height of the ramp got higher? Explain.
- C. If possible, predict how far the car would roll if Lee Yah sets the ramp height 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.

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Name _____ Date _____

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 whole milk at a store near you today?

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