



**Building an effective
Math Curricula**
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Sketch This

Words can tell a story, but so can lines.

Objectives

- Sketch a line graph based on a narrative
- Demonstrate an understanding of how the shape of a line provides information about what is happening over time.
- Improve precision in describing change over time by adding words to student's working vocabulary.

+ Sketch This: Scenario 1

Giselle's baby's temperature rose sharply between 6:00 p.m. and midnight; Giselle gave her baby aspirin, and the baby's temperature dropped rapidly and stayed close to normal for most of the next day. At 6:00 p.m., however, it began to rise again, and Giselle was worried.

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+ Sketch This: Scenario 2

"Martha ran a marathon. In the first hour and a half, she ran a steady pace. Then she slowed down for the next hour, saving her energy for a push in the last half hour when she ran faster than at any other time."

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+ Sketch This: Scenario 3

“Brian followed the share price of a company’s stock one Monday, trying to decide whether he should buy stock. He found that in the morning it was at \$25 a share; by noon it had plummeted, and by the end of the day it rose slightly.”

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+ Practice: Telling a Story

For each of the graphs below, create a story that fits the shape of the graph. You may want to include information on the x-axis to support your story.

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Roller-Coaster Rides

What story does the graph tell?

Two Truths and a Lie

- Distinguish between true and false statements about a line graph.

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+ Matching graphs and scenarios



Match each graph with its corresponding scenario.

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