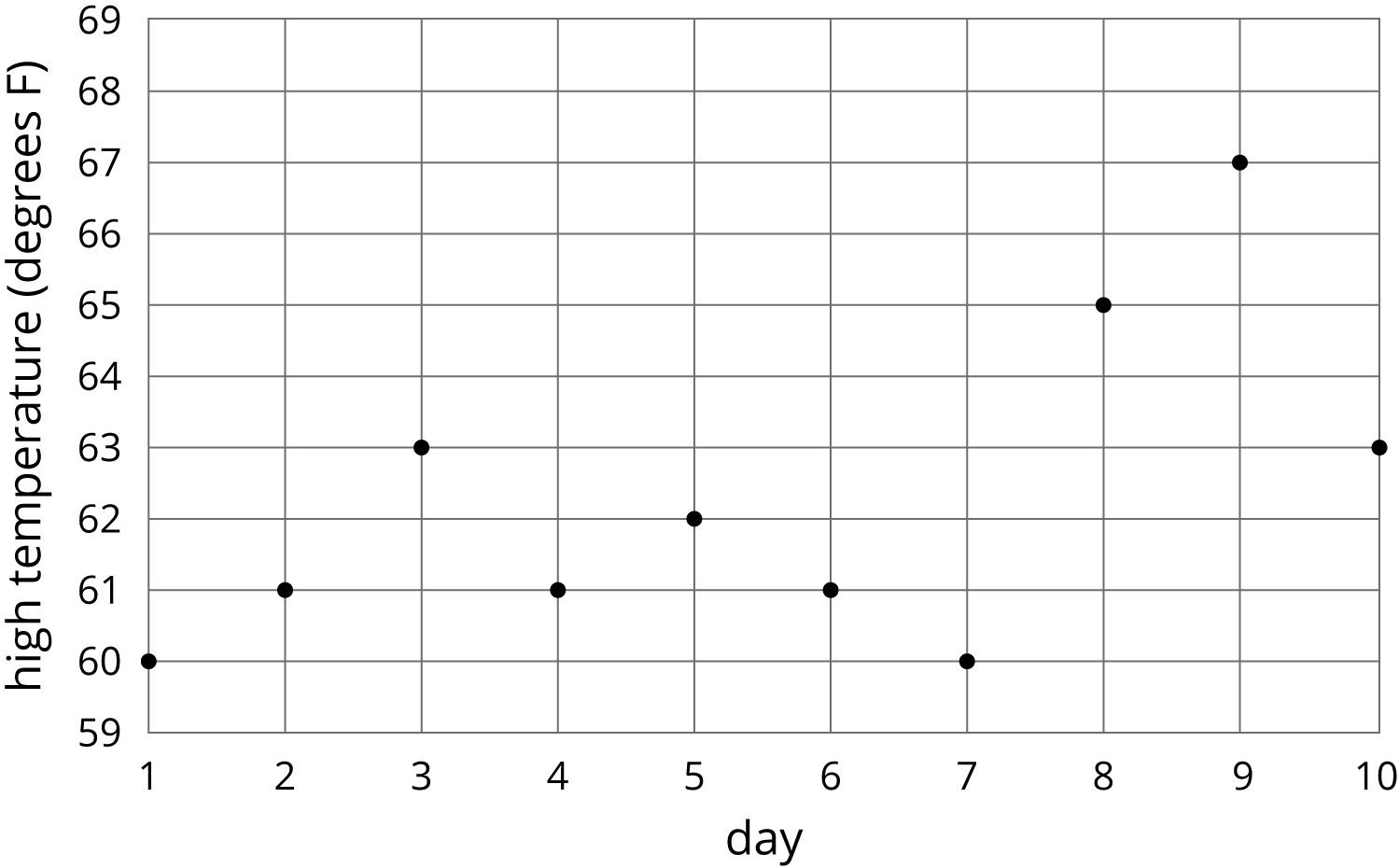
## Unit 6 Lesson 4 Cumulative Practice Problems

1. The graph and the table show the high temperatures in a city over a 10-day period.

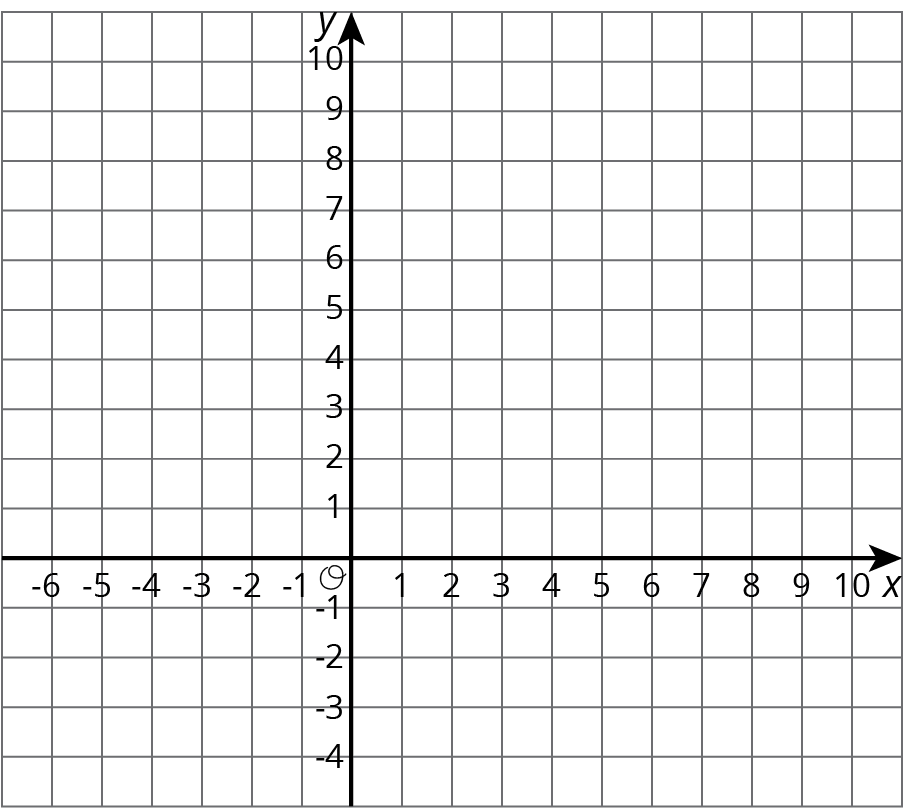
* 

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * day | * 1 | * 2 | * 3 | * 4 | * 5 | * 6 | * 7 | * 8 | * 9 | * 10 |
| * temperature (degrees F) | * 60 | * 61 | * 63 | * 61 | * 62 | * 61 | * 60 | * 65 | * 67 | * 63 |

* 1. What was the high temperature on Day 7?
  2. On which days was the high temperature 61 degrees?
  3. Is the high temperature a function of the day? Explain how you know.
  4. Is the day a function of the high temperature? Explain how you know.

1. The amount Lin’s sister earns at her part-time job is proportional to the number of hours she works. She earns $9.60 per hour.
   1. Write an equation in the form to describe this situation, where represents the hours she works and represents the dollars she earns.
   2. Is a function of ? Explain how you know.
   3. Write an equation describing as a function of .
2. Use the equation to complete the table, then graph the line using as the dependent variable.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | * 0 |  | * -2 |  |
|  |  | * 3 |  | * 0 |

* 

1. Solve the system of equations:

* (From Unit 5, Lesson 14.)



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