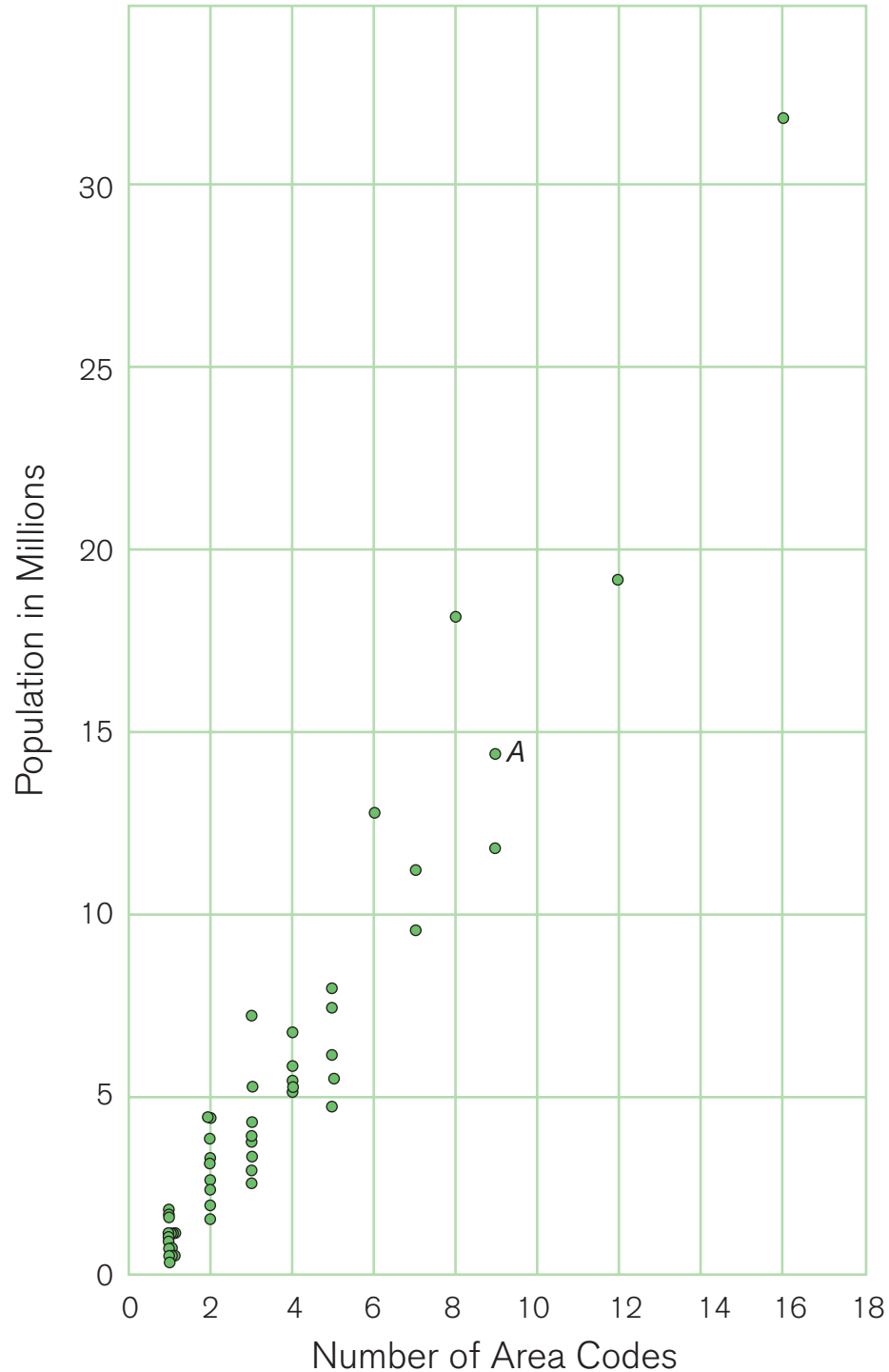# Reading a Scatterplot

Name _____

The graph below shows the population and the number of area codes for each state in the United States. Use the scatterplot to answer the questions on the next page.

State Population and Area Codes

Population in Millions (y-axis)

Number of Area Codes (x-axis)

Navigating through Data Analysis in Grades 6–8

Reading a Scatterplot (continued)

Name _____

1. How many states have five area codes? _____ How did you determine the number?
   _____
   _____

2. What does the point labeled "A" represent? _____
   How did you decide what it represented? _____
   _____

3. The population of Canada is approximately 29,100,000. If a similar pattern exists there, how many area codes do you think Canada has? _____ Explain your answer._____
   _____
   _____

4. The population of Great Britain is approximately 58,600,000. If Great Britain used the same system, how many area codes do you think it would need? _____ Explain your answer. _____
   _____
   _____

5. Suppose that a state had fourteen area codes. What do you think the population of that state would be? _____ Explain your answer. _____
   _____
   _____

6. Describe the relationship between a state's population and the number of area codes assigned to it.
   _____
   _____
   _____
   _____
   _____