Problem-Solving Application: Use Functions and Graphs

Use the questions to help you solve.

1. The graph shows the results of a laboratory test. When the experiment began, the bacteria population was 50. About how long did it take the population to reach 500?

2. Make a prediction about the size of the bacteria population after 80 minutes. Explain your reasoning.

How would you describe what the graph shows? ____________________________

What information do you need to find? ____________________________

Which axis shows the number of bacteria? ____________________________

What does the other axis show? ____________________________

Where do you find 500 bacteria on the line graph? ____________________________

What time relates to this point on the graph? ____________________________

How do you know your answer is approximate? ____________________________

What could you do to find an exact answer? ____________________________

Copyright © Houghton Mifflin Company. All rights reserved.

Use with text pages 334–337.