

Name \_\_\_\_\_ Date \_\_\_\_\_

**Instructions:** Read each question carefully and choose the best answer.

1. How did Archimedes discover pi?
  - Ⓐ He wrapped a string around a soup can.
  - Ⓑ He was trying to help farmers figure out how much grain was in their silos.
  - Ⓒ He divided the circumference of a circle by the diameter and got the same number every time
  - Ⓓ He was experimenting in a laboratory.
2. The section "What Is Pi?" gives the reader information about \_\_\_\_\_.
  - Ⓐ how pi is calculated
  - Ⓑ the two men who made pi famous
  - Ⓒ who finds pi useful
  - Ⓓ pi celebrations
3. The distance from one side of a circle to the other is called the \_\_\_\_\_.
  - Ⓐ diameter
  - Ⓑ volume
  - Ⓒ decimal point
  - Ⓓ pi
4. How did Pi Day celebrations get started?
  - Ⓐ William Jones started teaching about pi in 1706.
  - Ⓑ Albert Einstein's birthday is March 14.
  - Ⓒ The U.S. Congress voted on it.
  - Ⓓ A scientist named Larry Shaw arranged the first one in San Francisco.

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5. Why is Pi Day celebrated on March 14?
  - Ⓐ The date is written as 3-14, and those are the first digits of pi.
  - Ⓑ Archimedes was born on that date.
  - Ⓒ The U.S. Congress chose that date.
  - Ⓓ A computer randomly picked that date.
6. The author probably wrote this book to \_\_\_\_\_.
  - Ⓐ inform you about pi and its uses
  - Ⓑ persuade you to eat more pie
  - Ⓒ entertain you with examples of how people celebrate Pi Day
  - Ⓓ Both A and C
7. Why do people eat pie and other round objects on Pi Day?
  - Ⓐ because *pie* and *pi* sound alike
  - Ⓑ because pi is a measurement that uses a circle
  - Ⓒ because Larry Shaw ate pie at the first celebration
  - Ⓓ Both A and B
8. What does the activity "Math Minute" at the bottom of page 5 help the reader to understand?
  - Ⓐ how much 3.14 is
  - Ⓑ how to measure with a string
  - Ⓒ how pi is calculated
  - Ⓓ the difference between circles and cylinders
9. Pi can be used to figure out the **volume** of something, or \_\_\_\_\_.
  - Ⓐ the amount of space inside of it
  - Ⓑ the distance from one side to the other
  - Ⓒ the length around it
  - Ⓓ how landscapers use it

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10. What opinion does the author express at the end of the book?
- Ⓐ Celebrating Pi Day helps us remember that science is fun and useful.
  - Ⓑ The first Pi Day was celebrated in 1988.
  - Ⓒ In 2009, the U.S. Congress voted to make March 14 National Pi Day.
  - Ⓓ Many people celebrate Pi Day with family and friends.

11. **Extended Response:** Write three sentences that describe how pi is used in the world today. Then, write one or two sentences to share how you might use pi.

12. **Extended Response:** If you were going to celebrate Pi Day, what would you eat, drink, wear, and do?

## Quick Check Answer Sheet

Pi Day

*Main Comprehension Skill: Main Idea and Details*

1. Ⓒ *Cause and Effect*
2. Ⓑ *Main Idea and Details*
3. Ⓐ *Vocabulary*
4. Ⓓ *Cause and Effect*
5. Ⓐ *Main Idea and Details*
6. Ⓓ *Author's Purpose*
7. Ⓓ *Make Inferences / Draw Conclusions*
8. Ⓒ *Make Inferences / Draw Conclusions*
9. Ⓐ *Vocabulary*
10. Ⓐ *Fact or Opinion*
11. Answers will vary but ideas should be based on examples given on pages 8 through 11 of the text, such as by landscapers to determine the area to water, by pilots to determine how much fuel is needed for flights, and so on.
12. Answers will vary but ideas should be based on examples from the text.