

Name Date

Engineering Our World March 1, 2019

Use this week's issue of *TIME for Kids* (Edition 5–6) to answer the questions. For each question, circle the letter next to the best answer.

RI.5.1; RI.6.1

- 1.** What types of infrastructure does Yung Koprowski's job involve?
- A. roads
 - B. bike lanes
 - C. sidewalks
 - D. all of the above

RI.5.1; RI.6.1

- 2.** Imagine that a city's traffic signals aren't working. Which type of civil engineer would be called on to fix it?
- A. a geotechnical engineer
 - B. an environmental engineer
 - C. a transportation engineer
 - D. a chemical engineer

RI.5.4; RI.6.4

- 3.** The phrase "think outside the box," in the last paragraph of the section "On the Move," means to think
- A. cautiously.
 - B. selfishly.
 - C. routinely.
 - D. creatively.

RI.5.1; RI.6.1

- 4.** Read Yung Koprowski's last quote. She would likely agree that to succeed in engineering, it is important to be
- A. persistent.
 - B. organized.
 - C. bookish.
 - D. hesitant.

RI.5.3; RI.6.3

- 5.** If the pipe under Forest Park had not been rebuilt, it is likely the hiking trail would one day have been
- A. washed away by stormwater.
 - B. destroyed by drought.
 - C. overrun by vegetation.
 - D. buried in snow.

RI.5.4; RI.6.4

- 6.** What makes Jay Brannon a trailblazer?
- A. She has spent her career designing first-rate hiking trails.
 - B. She is setting an example for women of color who might want to join her profession.
 - C. She is the first woman to become a civil engineer.
 - D. She oversees the maintenance of hiking trails across the country.

RI.5.9; RI.6.9

- 7.** All the civil engineers' jobs highlighted in the cover story involve
- A. teaching young people about engineering.
 - B. coming up with solutions to problems.
 - C. improving roads and highways.
 - D. explaining engineering projects to the public.

RI.5.1; RI.6.1

- 8.** When he was in middle school, Ruwanka Purasinghe showed a talent for
- A. solving math problems quickly.
 - B. repairing broken pipes.
 - C. constructing large-scale projects.
 - D. memorizing historical facts.

RI.5.2; RI.6.2

- 9.** The "Master Builder" section is *mainly* about how Ruwanka Purasinghe
- A. came to be a civil engineer.
 - B. built a theme park out of Lego bricks in middle school.
 - C. traveled to Rome, Italy, to study the city's aqueduct system.
 - D. got a job with the Los Angeles Department of Water and Power.

RI.5.1; RI.6.1

- 10.** What about civil engineering inspired Ruwanka Purasinghe to pursue it as a career?
- A. Civil engineers can become college professors.
 - B. The work of civil engineers has a lasting effect on people.
 - C. Civil engineers devise solutions for cities affected by drought.
 - D. both A and B