

# Shade Site Decision

Integrate an article, data table, and map to choose a public-health solution.

**CCSS.ELA-Literacy.RST.11-12.7** "Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem."

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## 1 READ AND MARK \_\_\_\_\_ Read it twice

**YOUR JOB** Underline evidence that helps decide where the first shade canopy should go. Circle Source B's numbers, box Source C's site features, and write L beside each source limitation.

### Where Should Riverton Build Shade?

- ① Source A, an article from Riverton's public-health office, reports that heat risk rises along paved walking routes with little shade. During a July pilot, staff watched students and other pedestrians for two afternoons. They found that people often waited at the eastbound bus stop on Harbor Avenue because it serves the high school and clinic. The article recommends shade near frequent waiting areas but warns that observations from only two hot days cannot show every season's needs. To choose a site, planners should compare these observations with measured temperatures and the street layout.
- ② Source B is a city engineering table recorded at 3:00 p.m. on July 18. It compares three eastbound stops, using an infrared thermometer for pavement temperature and 15-minute counts for waiting people. Stop | pavement °F | people waiting Harbor | 142 | 18 Pine | 131 | 7 Market | 136 | 11 The measurements show conditions at one time, not the amount of tree shade all day. However, they give a numerical comparison: Harbor has the hottest pavement and the largest observed group. The table does not measure whether nearby land is available for construction, so planners need another source before selecting a final location.
- ③ Source C is a map graphic from the city's planning department. It shows the three stops and nearby conditions that affect construction. N ↑ [High School]—[Harbor Stop]—[Clinic] [City-owned planting strip beside Harbor Stop] [Market Stop]—[Narrow sidewalk] [Pine Stop]—[Private store] Legend: lines show the bus route; boxes name places or site conditions. The city-owned planting strip adjoins Harbor Stop and could hold a canopy. Market's sidewalk is narrow, and Pine borders private property. The map does not report heat measurements or the number of people waiting, so it must be combined with the other sources.

**2 ANSWER WITH EVIDENCE** \_\_\_\_\_ Use the passage

**1** Use Sources A and B. What claim from Source A is supported by the quantitative evidence in Source B? Cite relevant facts from both sources.

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**2** What limitation of Source B prevents it from deciding the canopy location by itself, and which source provides the missing type of information?

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**3** Compare Sources B and C. Which stop has both the greatest need and a feasible nearby construction space? Explain with one data detail and one map detail.

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**4** Would the evidence support placing the first canopy at Market instead of Harbor? Use evidence from all three sources to evaluate the idea.

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**3 YOUR TURN** \_\_\_\_\_ Your own words

Write a 70-90 word recommendation for where Riverton should build its first shade canopy. Use evidence from all three sources, include one number from Source B, and explain one limitation that could affect future planning.

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**PART 1 • READ AND MARK**

Underline evidence that helps decide where the first shade canopy should go. Circle Source B's numbers, box Source C's site features, and write L beside each source limitation. Accept any marking that follows this job and points at the right text.

**PART 2 • ANSWERS**

| # | QUESTION                                                                                                                                                  | ANSWER                                                                                                                                                                                                                          |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Use Sources A and B. What claim from Source A is supported by the quantitative evidence in Source B? Cite relevant facts from both sources.               | <b>Source A's claim that Harbor is a frequent waiting area is supported by Source B, which records 18 people waiting at Harbor, more than Market's 11 and Pine's 7.</b>                                                         |
| 2 | What limitation of Source B prevents it from deciding the canopy location by itself, and which source provides the missing type of information?           | <b>Source B does not show whether construction space is available. Source C provides site-availability information through the map.</b>                                                                                         |
| 3 | Compare Sources B and C. Which stop has both the greatest need and a feasible nearby construction space? Explain with one data detail and one map detail. | <b>Harbor Stop. It has the highest pavement temperature, 142°F, and the most people waiting, 18, and the map shows a city-owned planting strip beside it.</b>                                                                   |
| 4 | Would the evidence support placing the first canopy at Market instead of Harbor? Use evidence from all three sources to evaluate the idea.                | <b>No. Source A identifies Harbor as a frequent waiting area, Source B shows Harbor is hotter and has more waiting people than Market, and Source C shows Harbor has a city-owned strip while Market has a narrow sidewalk.</b> |

**PART 3 • YOUR TURN (SAMPLE ANSWER)**

Riverton should build its first shade canopy at Harbor Stop beside the city-owned planting strip. Source B recorded 18 people waiting there, compared with 11 at Market and 7 at Pine, and Harbor pavement reached 142°F. Source A reports that people often waited at Harbor because it serves the high school and clinic. Source C shows that Harbor has room for construction, unlike Market's narrow sidewalk and Pine's private-property border. Because observations covered only two hot days, planners should collect data in other seasons.

Accept equivalent evidence-based conclusions if students accurately integrate the article, table, and map. For the open response, require a clear location, evidence from all three sources, a correct Source B number, and a relevant limitation.