

Shade Choice Evidence

Compare words, numbers, and a site map to make a practical public-space decision.

CCSS.ELA-Literacy.RI.11-12.7 "Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline two claims from the planning memo, circle two table values that matter most, and number two map details that affect the project. Use your marks to decide which site needs shade first and what could be built there.

Where Should Riverton Add Shade?

- ① Riverton's Parks Department must choose a site for a summer shade project before next July. A planning memo recommends Cedar Plaza because its bus stop serves people who wait outdoors. The memo reports that the plaza has no canopy over its main sidewalk and that nearby apartments house many older residents. It proposes planting trees beside the sidewalk and adding a small shade structure at the stop. The department also collected temperature readings and created a site map to test whether Cedar is the most urgent and practical location.
- ② At 3 p.m. on July 15, staff members measured sidewalk-surface temperature at three stops and counted people waiting during the same 15-minute period. Their table records one afternoon, so it shows conditions at that time rather than an entire summer. Cedar Plaza had both the highest surface temperature and the largest waiting group. Oak Market was nearly as busy, but its sidewalk was cooler. The Library stop had the fewest waiting people and the coolest pavement.
Site | Surface temperature | People waiting | Existing shade
Cedar Plaza | 132°F | 18 | none
Oak Market | 124°F | 16 | awning
Library | 118°F | 7 | trees
- ③ The aerial-style site map adds details that the table cannot show. North is at the top. Cedar Plaza's bus stop borders a wide sidewalk. A grass planting strip lies between the apartment building and sidewalk, but a water line crosses its southern section. The map also identifies an existing building overhang at Oak Market and mature trees beside the Library stop. These locations matter because a shade project needs space, and tree roots or construction cannot be placed carelessly near a utility line.
NORTH ↑ APARTMENTS | PLANTING STRIP | SIDEWALK | CEDAR BUS STOP
WATER LINE, SOUTHERN SECTION OAK MARKET: OVERHANG AT BUS STOP
LIBRARY: MATURE TREES AT BUS STOP

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Which site is the strongest first choice for the shade project? Use one table value and one detail from the planning memo in your answer.

2 Using the table, memo, and map, explain why Cedar Plaza has a stronger need for a project than Oak Market. Include both numerical differences between the two sites.

3 What map feature should change the memo's tree-planting plan at Cedar Plaza? Explain how it should change the plan.

4 Evaluate this claim: "The Library stop should receive the first shade project because it has the coolest pavement." Use the table and map to support your evaluation.

3 YOUR TURN _____ Your own words

Write a 55-70 word recommendation to the Parks Department. Name the site and project you recommend, use one detail from the memo, one numerical table value, and one map detail, then explain a limitation or change the map requires.

PART 1 • READ AND MARK

Underline two claims from the planning memo, circle two table values that matter most, and number two map details that affect the project. Use your marks to decide which site needs shade first and what could be built there. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which site is the strongest first choice for the shade project? Use one table value and one detail from the planning memo in your answer.	Cedar Plaza is the strongest first choice. It has the highest surface temperature, 132°F, and the most people waiting, 18; the memo also identifies its uncovered sidewalk and nearby older residents.
2	Using the table, memo, and map, explain why Cedar Plaza has a stronger need for a project than Oak Market. Include both numerical differences between the two sites.	Cedar is 8°F hotter than Oak, 132°F compared with 124°F, and has 2 more people waiting, 18 compared with 16. The memo identifies Cedar's uncovered sidewalk and older residents, while the map shows that Oak already has an overhang.
3	What map feature should change the memo's tree-planting plan at Cedar Plaza? Explain how it should change the plan.	A water line crosses the southern section of Cedar's planting strip. Planners should check safe utility locations and avoid planting trees where roots could interfere with the line.
4	Evaluate this claim: "The Library stop should receive the first shade project because it has the coolest pavement." Use the table and map to support your evaluation.	The claim is not well supported. The Library has the coolest pavement, 118°F, but it also has the fewest waiting people, 7, and the map shows mature trees already beside the stop. Cedar has greater heat and waiting needs.

PART 3 • YOUR TURN (SAMPLE ANSWER)

I recommend Cedar Plaza, with a small shade structure at the bus stop and trees only where utilities permit. The memo identifies the uncovered sidewalk and nearby older residents. Cedar recorded 132°F and 18 waiting people, compared with Oak's 124°F and 16. The map shows a water line beneath part of the planting strip, so planners should confirm safe tree locations.

Accept recommendations that accurately combine evidence from the memo, table, and map, even if students choose a different project design. For the open task, require a defensible site choice, accurate numerical evidence, and a practical response to the water line or existing shade shown on the map.