Where Should Shade Go?

Connect two graphic texts to defend a public decision.

12.CL.2 "Synthesize information from two or more graphic texts to draw conclusions, defend claims, and make decisions."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Number the matching sites 1, 2, and 3 across the two graphic texts. Then underline one number in each graphic text that could help you make a decision about one site.

One Canopy, Three Sites

1. At noon, the concrete outside Harbor High feels hotter than the air. The student council has secured $15,000 for one shade canopy, but three sites compete for it. To compare them, students recorded pavement surface temperatures on the same clear afternoon and estimated how many people pass each site daily. A contractor supplied separate canopy price estimates.

2. The figure combines two graphic texts. Graphic A reports the students' heat and foot-traffic data; Graphic B reports the contractor's estimated costs. Each graphic uses site names so readers can connect the evidence. Surface temperature measures pavement, not the air people breathe, and daily traffic counts people passing through, not how long anyone waits there.

GRAPHIC A: HEAT AND TRAFFIC. GRAPHIC B: CANOPY PRICES.

A: site	A: pavement (°F)	A: people/day	B: site	B: cost ($)
West bus stop	112	90	West bus stop	14,000
Courtyard	118	40	Courtyard	12,000
East entrance	104	160	East entrance	9,000

3. One canopy would cover a similar area at each site, and the council can fund only one this year. At an open meeting, residents may value heat relief, reach, or cost differently. The numbers do not show who uses each space or whether visitors can already find shade nearby. A defensible recommendation should make its priorities clear.

2 ANSWER WITH EVIDENCE

Use the passage

1. Which site has the hottest pavement, and how does its canopy price compare with the least expensive canopy?

2. If the council's priority is to reach the most people each day within its budget, which site should it choose? Use evidence from both graphic texts.

3. Consider only sites with pavement temperatures of at least 110°F. Which one has more daily traffic, and how much more would its canopy cost than the other eligible site's?

4. A speaker claims, “The hottest site is also the most expensive to shade.” Is that claim supported? Use both graphic texts to explain.

3 YOUR TURN

Your own words

Write a recommendation for one canopy site using a priority you name. In 70 to 95 words, cite a number from each graphic text, acknowledge a trade-off, and describe one additional graphic text that could change your decision.

ANSWER KEY

Where Should Shade Go?

GRADE 12 · 12.CL.2

PART 1 · READ AND MARK

Number the matching sites 1, 2, and 3 across the two graphic texts. Then underline one number in each graphic text that could help you make a decision about one site. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Which site has the hottest pavement, and how does its canopy price compare with the least expensive canopy?	**The courtyard is hottest at 118°F. Its $12,000 canopy costs $3,000 more than the $9,000 canopy at the east entrance.**
2	If the council's priority is to reach the most people each day within its budget, which site should it choose? Use evidence from both graphic texts.	**Choose the east entrance: 160 people pass it daily, the most of any site, and its canopy costs $9,000, within the $15,000 budget.**
3	Consider only sites with pavement temperatures of at least 110°F. Which one has more daily traffic, and how much more would its canopy cost than the other eligible site's?	**The west bus stop has more daily traffic, 90 people versus 40 at the courtyard. Its $14,000 canopy costs $2,000 more.**
4	A speaker claims, "The hottest site is also the most expensive to shade." Is that claim supported? Use both graphic texts to explain.	**No. The courtyard is hottest at 118°F, but its canopy costs $12,000. The west bus stop has the highest canopy price at $14,000.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

I would prioritize places where people may have to wait in the heat, so I would tentatively choose the west bus stop. Graphic A reports pavement at 112°F and 90 people passing daily; Graphic B estimates its canopy at $14,000, within budget. The courtyard is hotter at 118°F and costs $12,000, so my choice sacrifices some heat relief and savings. Before approval, I would request a chart comparing average waiting time and existing shade at all three sites. Longer waits elsewhere could change my recommendation.

Accept different site recommendations in Part 3 if the named priority, evidence from both graphics, trade-off, and proposed additional graphic text support the reasoning. Do not treat pavement temperature as air temperature or daily traffic as a count of people waiting.