

Map Clues Matter

Use map tools and population data to make decisions about places.

5.24 "Social studies skills. The student uses geographic tools to collect, analyze, and interpret data. The student is expected to: apply mapping elements, including grid systems, legends, symbols, scales, and compass roses..."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline the names of mapping tools, and circle each fact about population or a natural resource. These details show how geographic information can be used together.

Planning Pine Creek Park

- ① Geographers use maps to organize information about places. A compass rose shows direction, and a legend explains what each symbol means. A grid system helps people name a location, such as C4. A scale compares a map distance with a real distance. These tools help readers find places and judge how far apart they are.
- ② At Pine Creek Park, fifth graders planned a visitor map. Their legend used a tent symbol for campsites, a tree symbol for picnic areas, and a droplet symbol for drinking-water fountains. The map scale stated that 1 centimeter represented 200 meters. Grid labels helped the class record where each feature belonged. They also counted nearby residents by area.

RESIDENTS NEAR PINE CREEK PARK



- ③ The class made a bar graph from its count. Creekside had the largest population because it was closest to a bus stop and grocery store. Meadow had the fewest residents, but it contained the park's spring. The spring is a natural resource because it provides water. The students used the graph and map details to plan fountain locations.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 On the Pine Creek Park map, how many real meters does 1 centimeter represent?

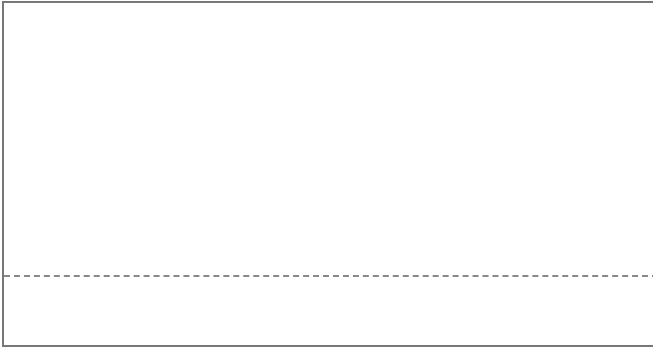
2 Which area has the greatest population? Use the bar graph to give its number of residents.

3 What natural resource is found in Meadow? Explain why it is a natural resource.

4 A visitor wants to find a campsite and estimate how far away it is. Which two map elements would help most, and how would each help?

3 YOUR TURN _____ Your own words

Create a two-panel geographic display for an invented community. In Panel 1, draw a map with a compass rose, a 3-by-3 grid, a legend with three symbols, a scale, and one natural resource. In Panel 2, make a bar graph showing the populations of three areas, then write one sentence explaining where you would place a water station using both panels.



PART 1 • READ AND MARK

Underline the names of mapping tools, and circle each fact about population or a natural resource. These details show how geographic information can be used together. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	On the Pine Creek Park map, how many real meters does 1 centimeter represent?	1 centimeter represents 200 meters.
2	Which area has the greatest population? Use the bar graph to give its number of residents.	Creekside has the greatest population, with 300 residents.
3	What natural resource is found in Meadow? Explain why it is a natural resource.	Meadow has a spring. It is a natural resource because it provides water.
4	A visitor wants to find a campsite and estimate how far away it is. Which two map elements would help most, and how would each help?	The legend would identify the campsite symbol. The scale would show how to compare the map distance to the real distance.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Panel 1: A 3-by-3 grid map has a north-pointing compass rose, a legend with ★ = school, □ = homes, and ~ = creek, and a scale of 1 square = 100 meters. The creek is in B2. Panel 2: A bar graph shows Northside, 90 residents; Creekside, 210 residents; and Southside, 150 residents. I would place a water station in Creekside near the creek because Creekside has the most people and the creek provides water.

Accept equivalent wording for map-tool purposes when students identify the legend and scale. For the open task, check for all required map elements, three labeled population values, and a reasonable location supported by both the map and graph.