

Clearview Map Makers

Use map tools and data to learn about a community.

4.20 "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 four mapping elements named in paragraph 2. Circle the two data formats named in paragraph 3.

Planning a Picnic Area

- ① Map readers use a compass rose to tell direction. A scale compares a map distance with a real distance. Symbols stand for places, and a legend explains the symbols. A grid system uses letters and numbers to name locations. These tools help people collect and share information about a place.
- ② The town of Clearview is making a map to help plan a new picnic area. Its map will have a grid, a compass rose, a scale, and a legend. The legend will explain a tree symbol for a forest and a wavy line symbol for a river. The town also collected the data below.

CLEARVIEW NEIGHBORHOOD DATA

Neighborhood	People	Natural Resource
Riverbend	240	River
Pine Grove	180	Pine forest
Stonefield	360	Limestone
Meadow Park	220	Grassland

- ③ Clearview leaders compare the data to decide where visitors may enjoy nature. Stonefield has the largest population, while Pine Grove has the fewest people. Riverbend has a river, and Pine Grove has a pine forest. A map can show where these resources are, while a graph can make differences in population easy to see.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Which map element tells what the tree and wavy-line symbols mean?

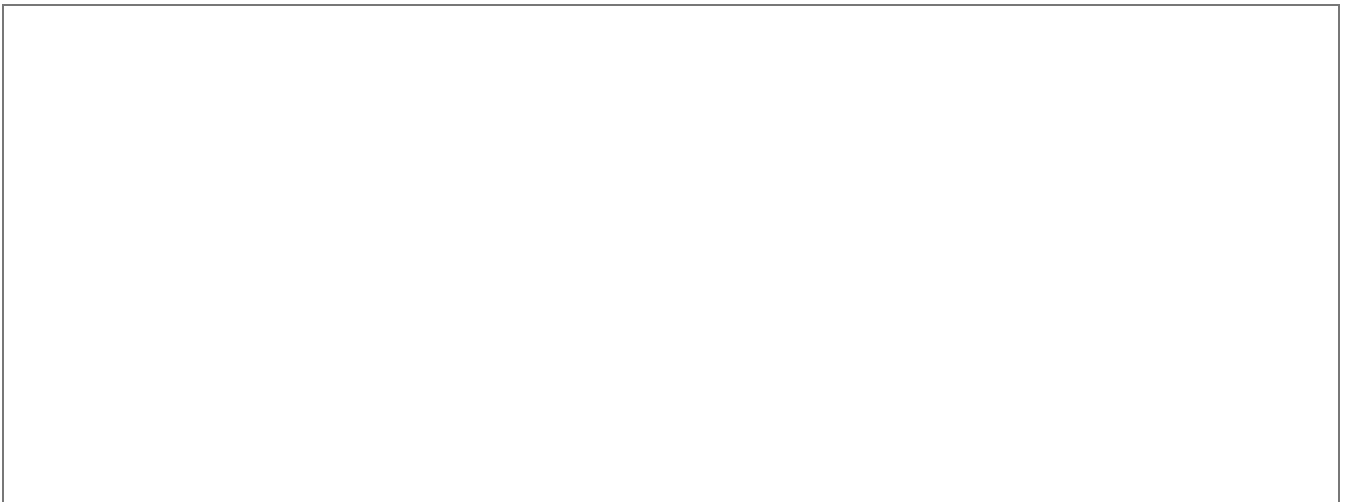
2 Why would Clearview use a grid system on its map?

3 Which neighborhood has the most people? How many more people live there than in Pine Grove?

4 Would a map or a graph make population differences easiest to compare? Explain.

3 YOUR TURN _____ Your own words

In the box, create a simple map of an invented park. Include a compass rose, a 3-by-3 letter-number grid, a scale, and a legend with three symbols, including one symbol for a natural resource. Write one sentence explaining how your map helps a visitor find the resource.



PART 1 • READ AND MARK

Underline the four mapping elements named in paragraph 2. Circle the two data formats named in paragraph 3. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which map element tells what the tree and wavy-line symbols mean?	The legend.
2	Why would Clearview use a grid system on its map?	A grid system uses letters and numbers to name locations.
3	Which neighborhood has the most people? How many more people live there than in Pine Grove?	Stonefield has the most people. It has 180 more people than Pine Grove.
4	Would a map or a graph make population differences easiest to compare? Explain.	A graph would make population differences easiest to compare because it shows the amounts side by side.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Map labels: columns A, B, C; rows 1, 2, 3; compass rose with north at the top; scale, 1 square = 100 meters; legend, tree = pine forest, wavy line = stream, bench = picnic area; pine forest at B2. A visitor can use B2 to find the pine forest.

Accept equivalent wording for questions 2 and 4. For the open task, accept any invented park map that includes all required map elements, three clear legend symbols, a natural resource, and a sentence that uses the map to locate that resource.