

Garden Graph Detectives

Read a bar graph to compare science data.

2.1.c “interpreting, analyzing, and evaluating data organize and represent data in pictographs and bar graphs read and interpret data represented in pictographs and bar graphs”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline the words that tell how to read a bar graph. Circle the words that tell what you can learn from the data.

Animals Under Logs

- ① Scientists collect data to learn about the world. Ms. Lee's class looked under logs in a school garden. Each team counted small animals in one minute. Then the class put the counts into a bar graph. A bar graph helps readers compare amounts with ease.
- ② The graph shows the class data. The labels along the bottom name the animals. The numbers along the side tell how many animals were counted. Every bar starts at zero. A taller bar means a larger count, so readers can compare the bars without guessing at all.

ANIMALS COUNTED UNDER LOGS



- ③ To analyze the data, look for patterns. You can find the animal with the most sightings and the one with the fewest. You can also add two counts or find how many more of one animal were seen than another. These ideas help scientists describe what their data shows.

2 ANSWER WITH EVIDENCE _____ Use the passage

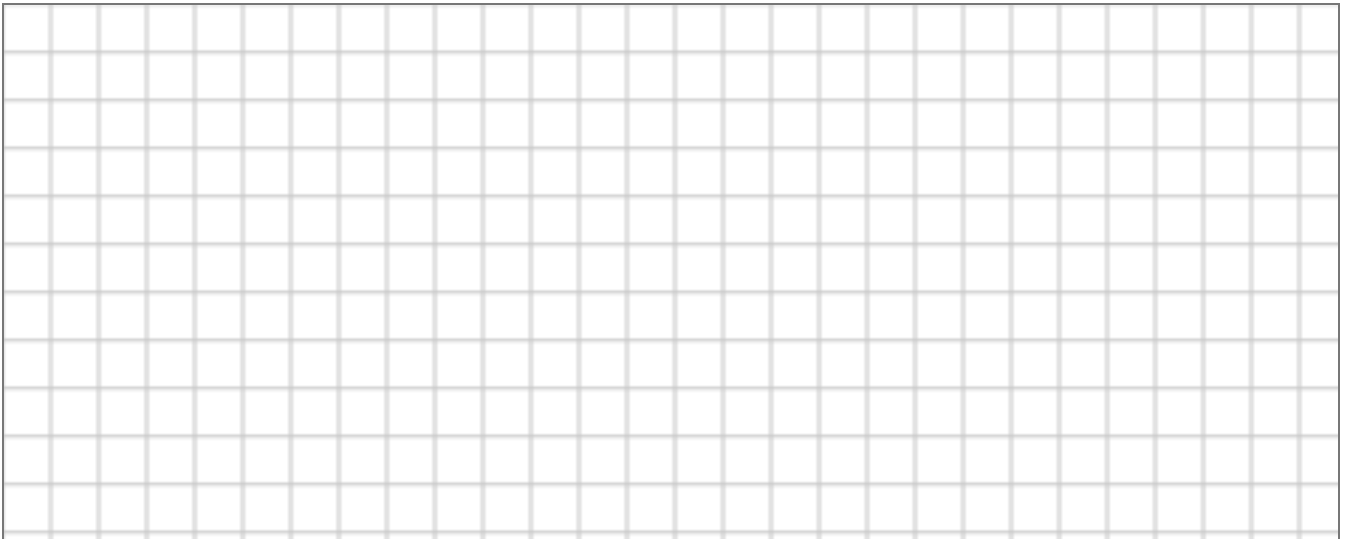
1 Which animal has the tallest bar?

2 How many more ants than beetles did the class count?

3 How many animals did the class count altogether?

3 YOUR TURN _____ Your own words

Make a bar graph on the grid using this data: ants, 4; beetles, 2; worms, 5. Give your graph a title, label the bottom and side, and write one sentence telling which animal had the most.



PART 1 • READ AND MARK

Underline the words that tell how to read a bar graph. Circle the words that tell what you can learn from the data. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which animal has the tallest bar?	Ants.
2	How many more ants than beetles did the class count?	3 more ants.
3	How many animals did the class count altogether?	16 animals.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Title: Animals Under a Log. Bars: ants 4, beetles 2, worms 5. The bottom is labeled Animals, the side is labeled Number Counted, and worms had the most.

Accept correctly labeled bar graphs with bars at 4, 2, and 5. Accept a sentence stating that worms had the most.