

Seed Bar Detectives

Read and make bar graphs to compare science data.

2.1.c.i "interpreting, analyzing, and evaluating data organize and represent data in pictographs and bar graphs"

NAME _____

DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline the words "labels at the bottom." Circle the words "numbers on the left side." Then write 1, 2, and 3 beside the sentences that begin First, Next, and Last.

Seeds That Sprouted

- ① Our class planted four kinds of seeds in cups. After one week, we counted the seeds that sprouted. We put the counts in the bar graph below. The title tells what the graph is about. The labels at the bottom name each kind of seed.

SEEDS THAT SPROUTED AFTER ONE WEEK



- ② Each bar starts at zero. The bar goes up to show a count. Read the numbers on the left side to see how high a bar reaches. First, find a seed label. Next, look straight up to its bar. Last, match the top of the bar to a number.
- ③ A graph helps scientists compare results quickly. A taller bar means a bigger count, and a shorter bar means a smaller count. The graph shows what happened in these cups, but it does not tell why. Scientists can plant more seeds and count again to check their results.

2 ANSWER WITH EVIDENCE Use the passage

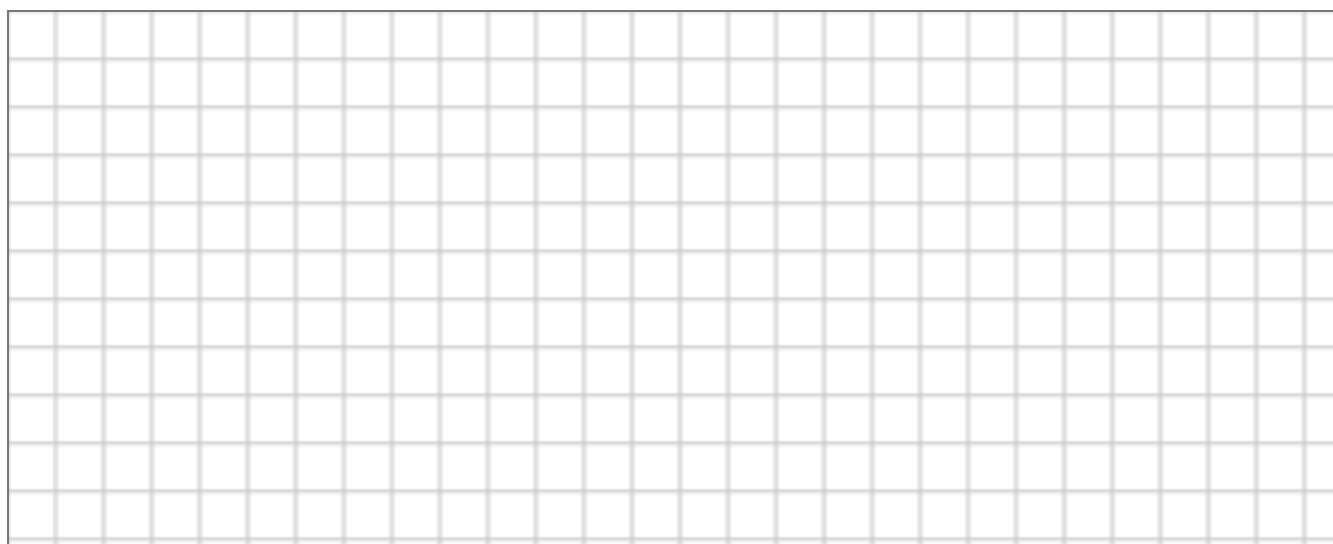
1 Which kind of seed has the tallest bar?

2 How many pea seeds sprouted?

3 Which two kinds of seeds have counts that differ by 1?

3 YOUR TURN Your own words

Use this teacher-provided garden data: ants 4, pill bugs 2, and worms 3. Make a bar graph on the grid. Give it a title, label the bottom, and use numbers 0 through 4 on the left side.



PART 1 • READ AND MARK

Underline the words “labels at the bottom.” Circle the words “numbers on the left side.” Then write 1, 2, and 3 beside the sentences that begin First, Next, and Last. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which kind of seed has the tallest bar?	Pea seeds.
2	How many pea seeds sprouted?	6 pea seeds sprouted.
3	Which two kinds of seeds have counts that differ by 1?	Bean and corn. Bean has 4, and corn has 5.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Title: Garden Animals Found. Bottom labels: ants, pill bugs, worms. Left-side numbers: 0, 1, 2, 3, 4. Bars: ants 4, pill bugs 2, worms 3.

Accept answers that match the bar heights. For the graph, accept any clear title, correct category labels, a 0 to 4 scale, and bars with heights of 4, 2, and 3.