Answer Questions about Scaled Bar Graphs
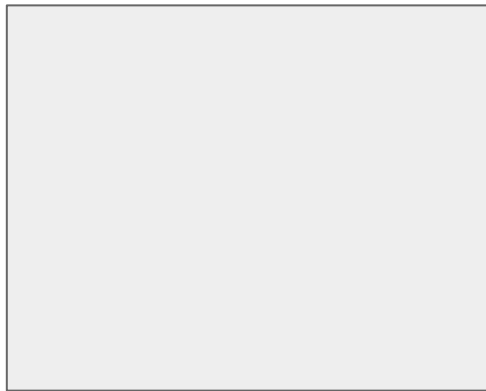
Materials needed: pencil

Let's...

solve problems based
on data represented
in bar graphs
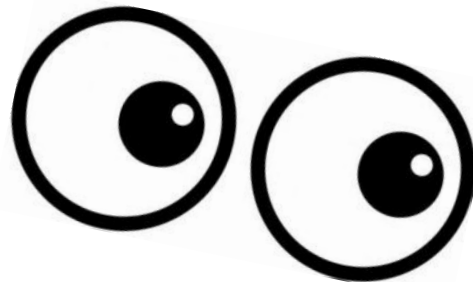
Warm-up: Dots
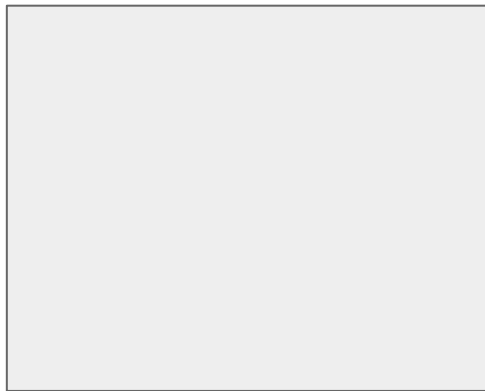
How Many Do You See: Groups of
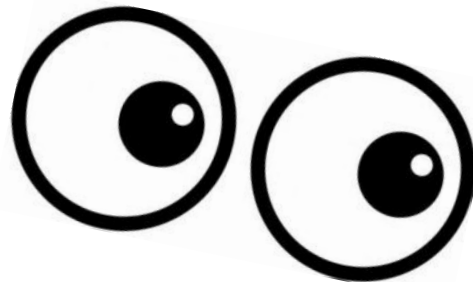
How many do you see?

How do you see them?
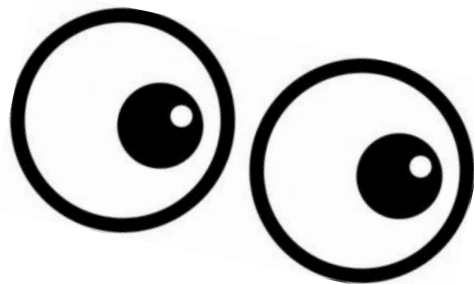
Warm-up: Dots

How Many Do You See: Groups of

How many do you see?

How do you see them?

Warm-Up Synthesis

★ How did thinking about groups help you find the total number of dots?

★ Did anyone see the dots the same way but would explain it differently?

Activity 1: Favorite Time of the Year Questions

Use your Favorite Time of the Year graph to answer the questions. Show your thinking using expressions or equations.

1. How many students are represented in the graph?
2. How many students chose spring or fall as their favorite season?
3. How many more students chose summer than winter?
4. How many fewer students chose spring than fall?

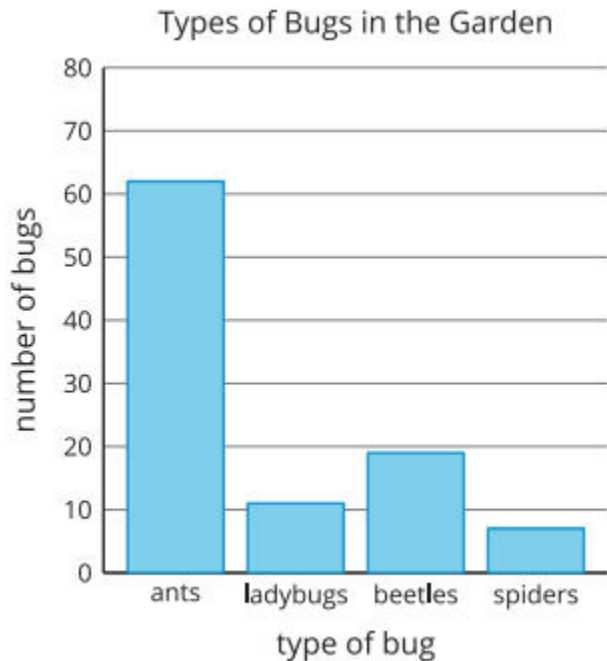Work with your partner to answer the questions

Activity Synthesis

Use your Favorite Time of the Year graph to answer the questions. Show your thinking using expressions or equations.

1. How many students are represented in the graph?
2. How many students chose spring or fall as their favorite season?
3. How many more students chose summer than winter?
4. How many fewer students chose spring than fall?

How are these questions the same? How are they different?

Activity 2: Questions About Bugs in the Garden

Types of Bugs in the Garden

What is one thing that you notice with this scaled bar graph?

Work with your partner to use the data in the bar graph to complete problems 1 through 4
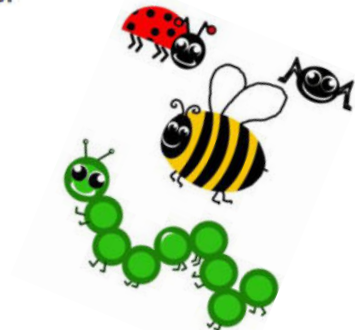
7:00

Activity Synthesis
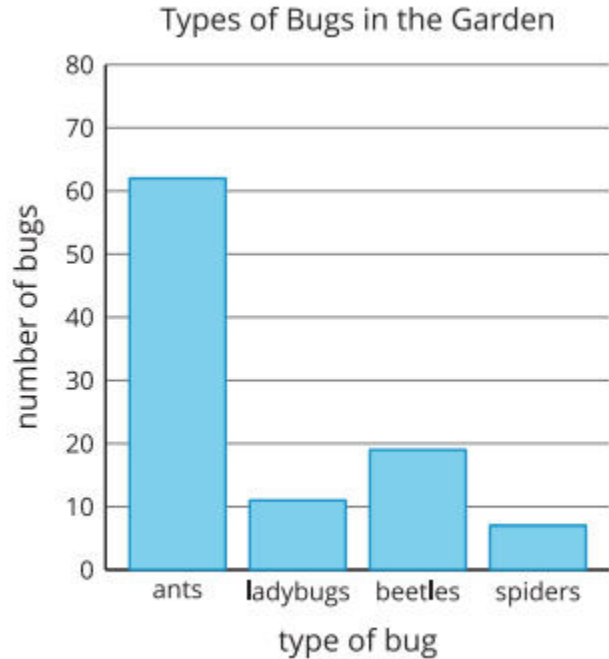
Share you responses to the questions.

Share a question that you wrote.

1. How many bugs were in the garden?
2. How many more ants were in the garden than spiders?
3. How many fewer ladybugs were there than ants?
4. Write 2 questions with your partner that could be asked about the bugs in the garden based on the graph.
5. Trade with another group and answer each others' questions.

Lesson Synthesis

Types of Bugs in the Garden

What were some strategies that were helpful today as you answered questions about the data represented in bar graphs?