

Lesson 7: Graph and Answer

Standards Alignments

Addressing 3.MD.B.3

Teacher-facing Learning Goals

- Draw a scaled bar graph to represent a data set with several categories.
- Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs.

Student-facing Learning Goals

- Let’s represent our data on scaled bar graphs and answer questions about the data.

Lesson Purpose

The purpose of this lesson is for students to draw a scaled bar graph to represent a data set with several categories.

In a previous lesson, students used a survey to collect data. In this lesson, they represent their data set with a scaled bar graph. Then, students ask and answer questions about the information presented in their scaled bar graphs.

If students need additional support with the concepts in this lesson, refer back to Unit 1, Section A in the curriculum materials.

Access for:

Students with Disabilities

- Representation (Activity 1)

English Learners

- MLR8 (Activity 2)

Instructional Routines

Notice and Wonder (Warm-up)

Materials to Gather

- Materials from a previous activity: Activity 2
- Materials from a previous lesson: Activity 1

Materials to Copy

- Draw Scaled Graphs (groups of 1): Activity 1

Lesson Timeline

Warm-up	10 min
Activity 1	20 min
Activity 2	20 min
Lesson Synthesis	5 min
Cool-down	5 min

Teacher Reflection Question

As students worked in their small groups today, whose ideas were heard, valued, and accepted? How can you adjust the group structure tomorrow to ensure each student's ideas are a part of the collective learning?

Cool-down (to be completed at the end of the lesson)

🕒 5 min

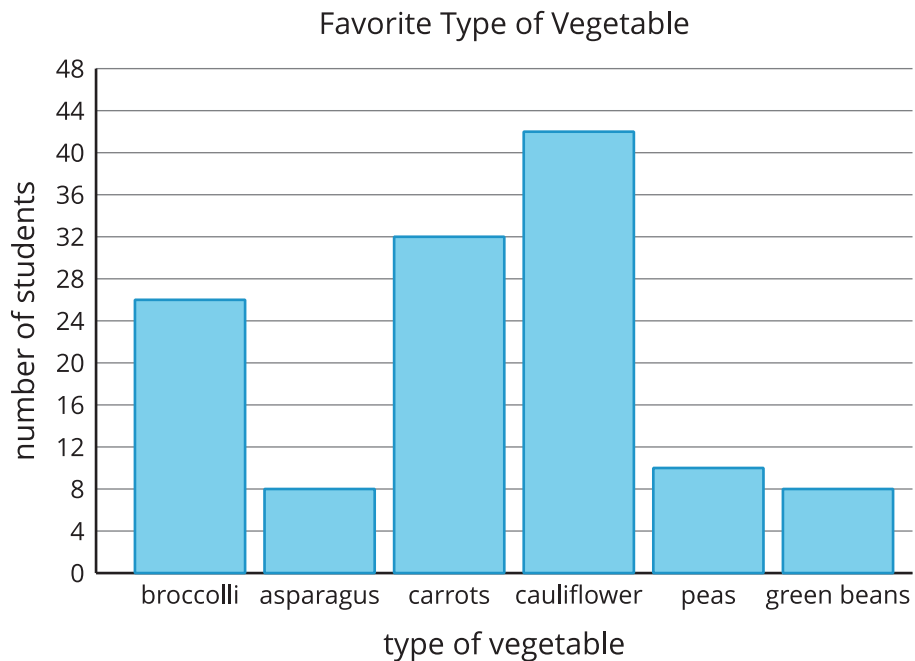
Graph Question

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Student-facing Task Statement

How many more students liked cauliflower than asparagus or peas? Explain your reasoning.



Student Responses

24 more students: Sample response: 8 students liked asparagus and 10 students liked peas. This is 18 students. 42 students liked cauliflower which is 24 more students than students who liked asparagus or peas.