Lesson 3: Scaled Picture Graphs

- Let's explore scaled picture graphs.

Warm-up: Number Talk: Addition

Find the value of each expression mentally.

- $50 + 10$
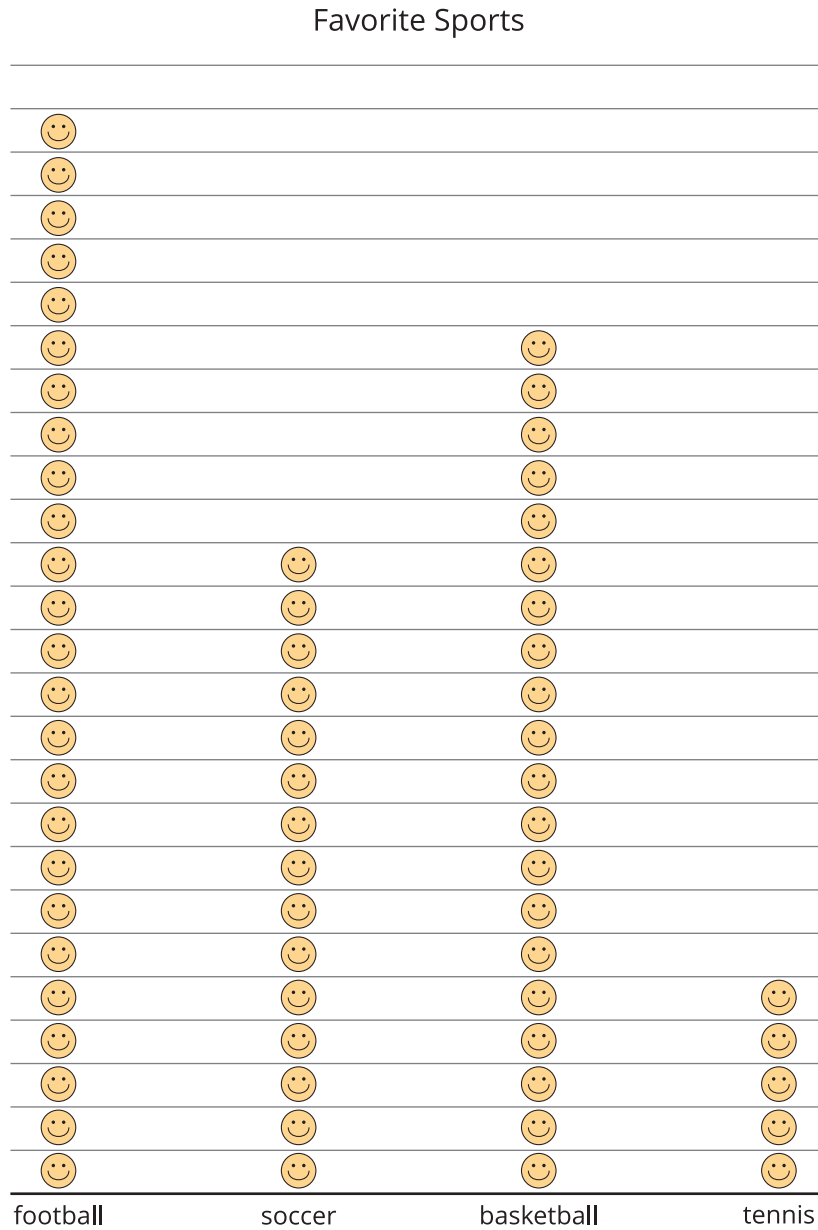
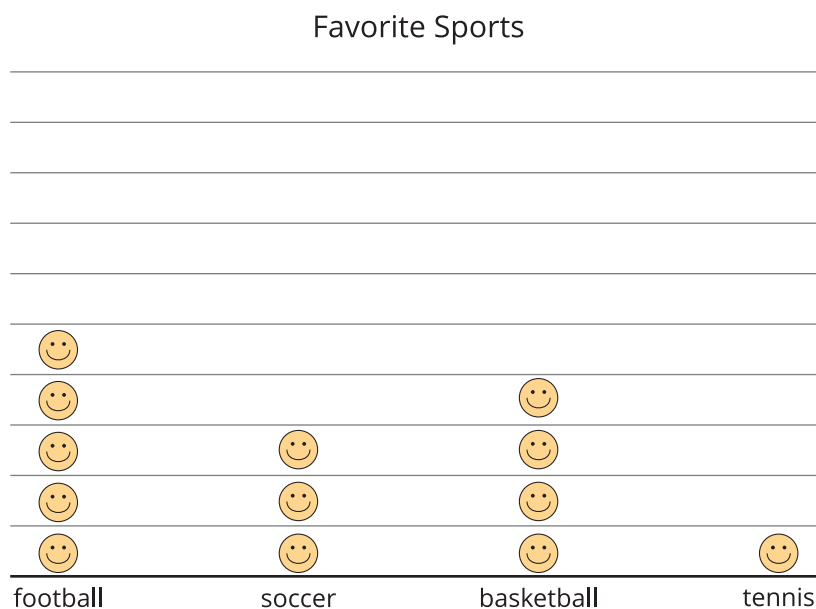- $50 + 12$

- $60 + 13$

- $65 + 13$

3.1: So Many Responses

1. A group of students were asked, "What is your favorite sport?" Their responses are shown in this picture graph:

Favorite Sports

Each 🙂 represents 1 student.

How many students are represented in the graph?

2. Their responses are also shown in this picture graph:
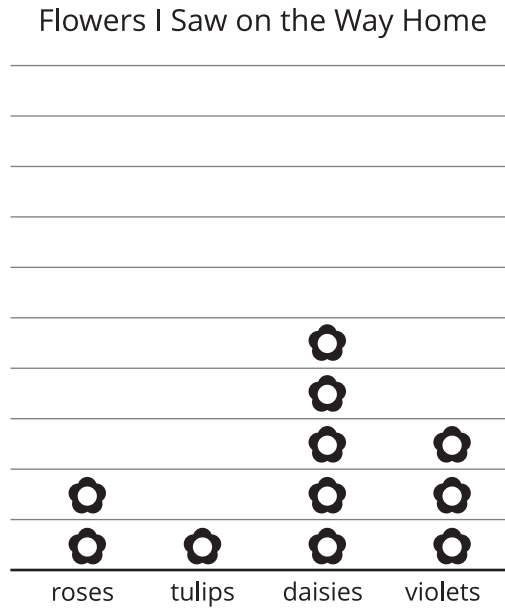
Favorite Sports

Each 🙂 represents 5 students.

How is counting the total number of students in this graph different from counting the total number of students in the first graph?

3.2: Questions about Scaled Picture Graphs

1. Andre collected data to see how many of each type of flower he saw on the way home. The data is shown in this picture graph:

Flowers I Saw on the Way Home

Each ✿ represents 5 flowers.

a. How many of each type of flower did Andre see on the way home?

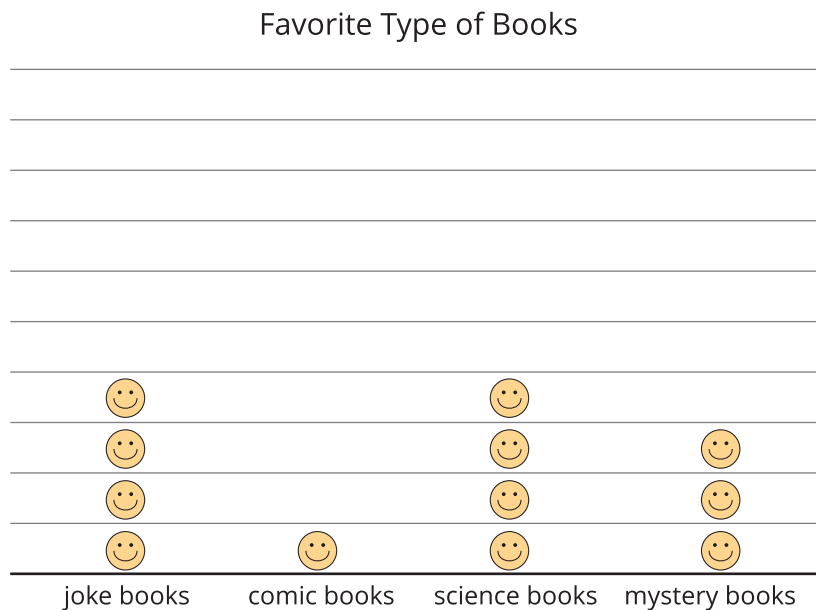roses _____   tulips _____   daisies _____   violets _____

b. Write 2 questions that you could ask about the flowers Andre saw on his way home.

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_____

2. A group of students were asked, "What is your favorite type of book?" Their responses are shown in this picture graph:

Favorite Type of Books

joke books   comic books   science books   mystery books

Each 🙂 represents 2 students.

a. How many students liked each type of book? How do you know?

b. Write 2 questions that you could ask about students' favorite types of books based on the graph.

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