Scaled Picture Graphs

Let's explore scaled picture graphs.



Number Talk: Addition

Find the value of each expression mentally.

•
$$50 + 10$$

•
$$50 + 12$$

•
$$60 + 13$$

•
$$65 + 13$$



So Many Responses

1. A group of students were asked, "Which of these 4 sports is your favorite?" Their responses are shown in this picture graph:

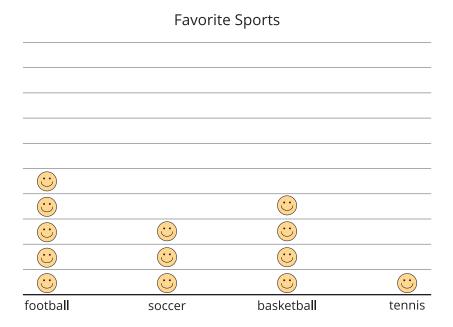
Favorite Sports \odot \odot \bigcirc \odot \bigcirc \odot \odot \odot \odot \odot \odot football soccer basketball tennis

Each corepresents 1 student.

How many students are represented in the graph? _____



2. The students' responses are also shown in this picture graph:



Each corpresents 5 students.

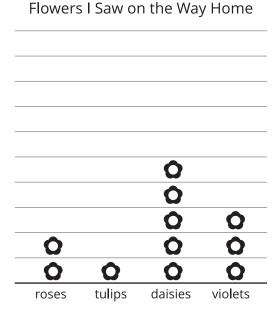
How is counting the total number of students in this graph different from counting the total number of students in the first graph?





Questions about Scaled Picture Graphs

1. Andre collects data about 4 types of flowers he sees on the way home. The data is shown in this picture graph:



Each orepresents 5 flowers.

violets ____

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

b. Write 2 questions that can be answered by reading the graph.

tulips ____ daisies ____ roses ____

2. A group of students were asked, "Which is your favorite type of book?" Their responses are shown in this picture graph: Favorite Type of Books comic books science books mystery books joke books Each corresents 2 students. a. How many students chose each type of book? How do you know? b. Write 2 questions that can be answered by reading the graph.

