G3-M6-Lesson 1
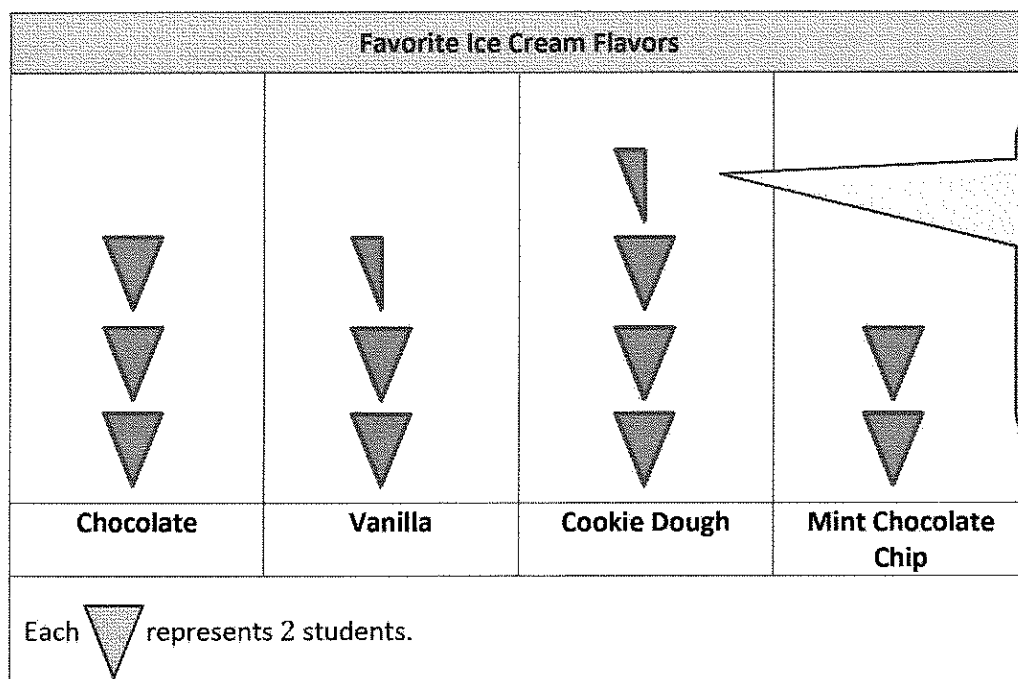
1. The tally chart below shows a survey of students' favorite ice cream flavors. Each tally mark represents 1 student.

Favorite Ice Cream Flavors	
Flavors	**Number of Students**
Chocolate	⳾⳾⳾⳾ /
Vanilla	⳾⳾⳾⳾
Cookie Dough	⳾⳾⳾⳾ //
Mint Chocolate Chip	////

> I can count the tally marks by fives and ones to find the total number of students.

The chart shows a total of ____22____ students.

2. Use the tally chart in Problem 1 to complete the picture graph below.

Favorite Ice Cream Flavors			
Chocolate	Vanilla	Cookie Dough	Mint Chocolate Chip

Each ▽ represents 2 students.

> I can draw 3 whole symbols and one half symbol to represent the 7 students who picked cookie dough.

> I can use the key to tell me what each symbol represents. Since each symbol represents 2 students, I can draw half a symbol to represent 1 student.

EUREKA
MATH™   Lesson 1:   Generate and organize data.   1

©2015 Great Minds. eureka-math.org
G3-M6-HWH-1.3.0-10.2015

a.   What does each ▽ represent?

> I can look at the key in the picture graph to find this information.

Each ▼ represents 2 students.

b.   How many students picked vanilla as their favorite ice cream flavor?

Five students picked vanilla as their favorite ice cream flavor.

> I can look at the picture graph or the tally chart to figure out how many students picked vanilla. The picture graph shows 2 whole symbols and a half symbol, so that's 5 students.

c.   How many more students chose cookie dough than mint chocolate chip as their favorite ice cream flavor?

$7 - 4 = 3$

Three more students chose cookie dough than mint chocolate chip.

> I can find the total for each flavor and subtract to find the difference.

d.   How many students does ▽ ▽ ▽ ◺ represent? Write a number sentence to show how you know.

$3 \times 2 = 6$

$6 + 1 = 7$

It represents 7 students.

> I can multiply 3×2 because there are 3 whole symbols, and each symbol stands for 2 students. Then, I can add 1 more because there is a half symbol, which represents 1 student.

e.   How many more ▽ did you draw for chocolate than for mint chocolate chip? Write a number sentence to show how many more students chose chocolate than mint chocolate chip.

$6 - 4 = 2$

I drew 1 more symbol for chocolate than for mint chocolate chip.

> I can subtract to find the difference between the number of students who picked each flavor. The difference is 2 students. Since each symbol represents 2 students, that means I drew 1 more symbol for chocolate than for mint chocolate chip. I could also find the answer by looking at the chart and recognizing that 3 symbols for chocolate is 1 more than the 2 symbols I drew for mint chocolate chip.

Lesson 1:   Generate and organize data.

EUREKA
MATH