MOMENTUM MATH LEVEL H



Unit 6 – Data and Statistics
Lesson A: Surveying
Lesson B: Frequency Tables and Line Plots
Lesson C: Histograms
Lesson D: Stem-and-Leaf Plots and Mode
Lesson E: Mean
Lesson F: Median
Lesson G: Box-and-Whisker Plots
Lesson H: Which Measure Is Best?
Lesson I: Interpreting Scatter Plots
Lesson J: Creating Scatter Plots
Glossary

SURVEYING

Today's Destination

How can you accurately survey a population?





Vocabulary —

Population A particular group of people

Sample A group of people chosen from a larger group in order to get data and make

predictions about the larger group

Survey Asking questions of a particular group to get data



Problem of the Day —



How can Matt and Marta find out which sandwich is more popular?

Explain It!		
ZAPIGITI IC.		



The mean temperature in one city is recorded as 5.5°C. The table below shows the recorded temperatures.

MONTHLY TEMPERATURES

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Temp. (°C)	-14	-6	?	2	6	12	30	21	12	4	1	-1

1) Complete the exercises below to find the missing temperature in the table.

How many values should be in the complete set of data?



What will be the sum of the data when the missing value is included in the table?



Find the missing value.

2) If the least and the greatest temperatures for the entire year are removed, how does this affect the mean?

Explain It!	

TEST DRIVE

The table below shows the ages of trees and their heights.

TREE AGES AND HEIGHTS

Age (in years)	10	19	5	18	4	9	12
Height (in feet)	8	18	6	20	7	10	15

If the height is plotted along the vertical axis, what would be a reasonable scale for that axis?

- 0 to 100 in intervals of 10
- 0 to 100 in intervals of 50
- 0 to 20 in intervals of 2 C
- 0 to 10 in intervals of 1



JUMPSTART What is the range of the data for the height?