

Student Activity Book

**Palm Variation: Our Class (SAB pp. 199–201)
Questions 1–9**

1. Students’ palms will vary.
2. Line plots will vary.
3. Answers will vary; The number displayed on the line plot should be the same as the number of people who provided data.
4. The most common size palm will be the one with the largest frequency on the data table or line plot.
5. Answers will vary.
6. Answers will vary.
7. Answers will vary.
8. Answers will vary.
- 9.* Responses will vary; Students may decide the standard palm size should be the measurement of the most common size in the class.

Name _____ Date _____

Palm Variation: Our Class

1. Trace your palm. Measure your palm to the nearest whole centimeter.

My palm is _____ cm.

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Name _____ Date _____

2. Make a line plot to show the different sizes of the palms in your class.

Palms in Centimeters: Our Class

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Name _____ Date _____

Use the line plot to answer questions about the variation in palms in your class.

3. How many students are shown on the line plot? _____
4. What is the most common size of a palm? _____

Solve and write a number sentence to show how you solved the problem. Remember to label the units.

5. How many more students have a palm that is 7 centimeters than have a palm that is 9 centimeters?
Number sentence _____
6. How many students have a palm that is more than 7 centimeters?
Number sentence _____
7. How long is the longest palm? _____
8. Gloria Gorilla has a palm that is 9 cm.
 - A. How much longer is Gloria’s palm than the longest palm in your class?
Number sentence _____
 - B. Add Gloria’s palm size to the line plot.
9. If you needed to choose a standard size for a palm, how many centimeters would it be? _____
Why? _____

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*Answers and/or discussion are included in the lesson.

Name _____ Date _____

Palm Variation: Central School

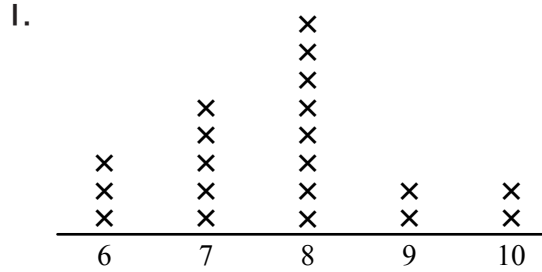
Mrs. Cook's class measured palms of teachers and students from different grades at Central School. The data is organized in the table.

Palm Variation: Central School

Name	Palm in Centimeters
Lily	8
Ben	7
Molly	6
Lia	6
Ella	7
Evan	7
Mrs. Cook	9
Mr. Reynolds	10
Kristen	8
Sara	8
Tanya	8
Max	8
Cassidy	6
Joseph	8
Ryan	7
Aiden	7
Jose	8
Tim	10
Daniel	9
Julian	8

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**Palm Variation: Central School
(SAB pp. 203–208)
Questions 1–10**



- 2. 3 people; Possible number sentence: $8 - 5 = 3$
- 3. 12 people; $8 + 2 + 2 = 12$
- 4. 20 people; $3 + 5 + 8 + 2 + 2 = 20$
- 5. 10 people; Possible number sentence: $20 + 10 = 30$
- 6. 4 people; Possible number sentence: $12 - 8 = 4$
- 7. 10 people; $5 + 5 = 10$

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Name _____ Date _____

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Name _____ Date _____

Look at the data table and line plot of palm sizes at Central School. Show how you solved the problem. Remember to label the units.

- 2. Compare the number of people with 7 cm palms to the number of people with 8 cm palms. How many more have palms that are 8 cm?
Number sentence _____
- 3. How many people have palms that are 8 cm, 9 cm, or 10 cm?
Number sentence _____
- 4. How many people gave Mrs. Cook data? _____
Number sentence _____

Mrs. Cook collects data from more people at Central School. Write a number sentence to show how you solved the problem. Remember to label the units.

- 5. Now Mrs. Cook has data from 30 people. How many more people gave her data?
Number sentence _____
- 6. Now twelve people have palms that are 8 cm. How many more people were added to this group?
Number sentence _____

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- 8. 8 cm
- 9. Responses will vary; Possible response: 8 cm; 8 centimeters is the most common measurement in the data that includes people all over the school.
- 10. Responses will vary; Possible response: I disagree with Nila. I think 7 cm is too small because the most common palm size in this data is 8 cm.

Name _____ Date _____

7. Mrs. Cook noticed that the number of people with palms that are 7 cm doubled. How many people have palms that are 7 cm?
Number sentence _____
8. Which palm size is the most common? _____
9. If you needed to choose a standard size for a palm, how many centimeters would it be? _____
Why? _____
10. Nila says that a standard palm should be 7 cm. Do you agree with Nila? Why or why not?

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Palm Variation: Central School Feedback Box	Expectation	Check In	Comments
Make a line plot to find information about a data set. [Q# 1]	E8		
Read a table or line plot to find information about a data set. [Q# 2–8]	E9		
Use a table and line plot to solve problems about a data set. [Q# 2–10]	E10		
Use labels. I use labels to show what numbers mean. [Q# 2–8]	MPE6		

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Teacher Guide

**Palm Variation: At Home (TG)
Homework
Questions 1–2**

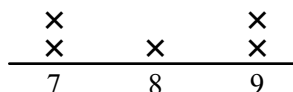
1. Palm sizes collected will vary. Sample data table:

Palm Variation: At Home

Name	Palm in Centimeters
Mom	9
Matt	7
Me	7
Marry	8
Millie	9

2. Line plots will vary. Sample line plot for sample data in Question 1:

Palm Variation: At Home in Centimeters



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Name _____ Date _____

Palm Variation: At Home

Homework

Dear Family Member:
Students measured the size of their palms to look at how they vary. Help your child measure the palms of five different people. Measure to the nearest whole centimeter. He or she will then organize the data into a line plot.
Thank you.

1. Measure the palms of 5 people in centimeters.
Palm Variation: At Home

Name	Palm in Centimeters

2. Organize the data into a line plot.

Palms in Centimeters: At Home

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Teacher Guide