

Marshmallows and Containers

1. I estimate that there are _____ marshmallows in the tall container.



2. Draw a picture of the experiment setup. Be sure to include the two main variables.



3. Make a data table.

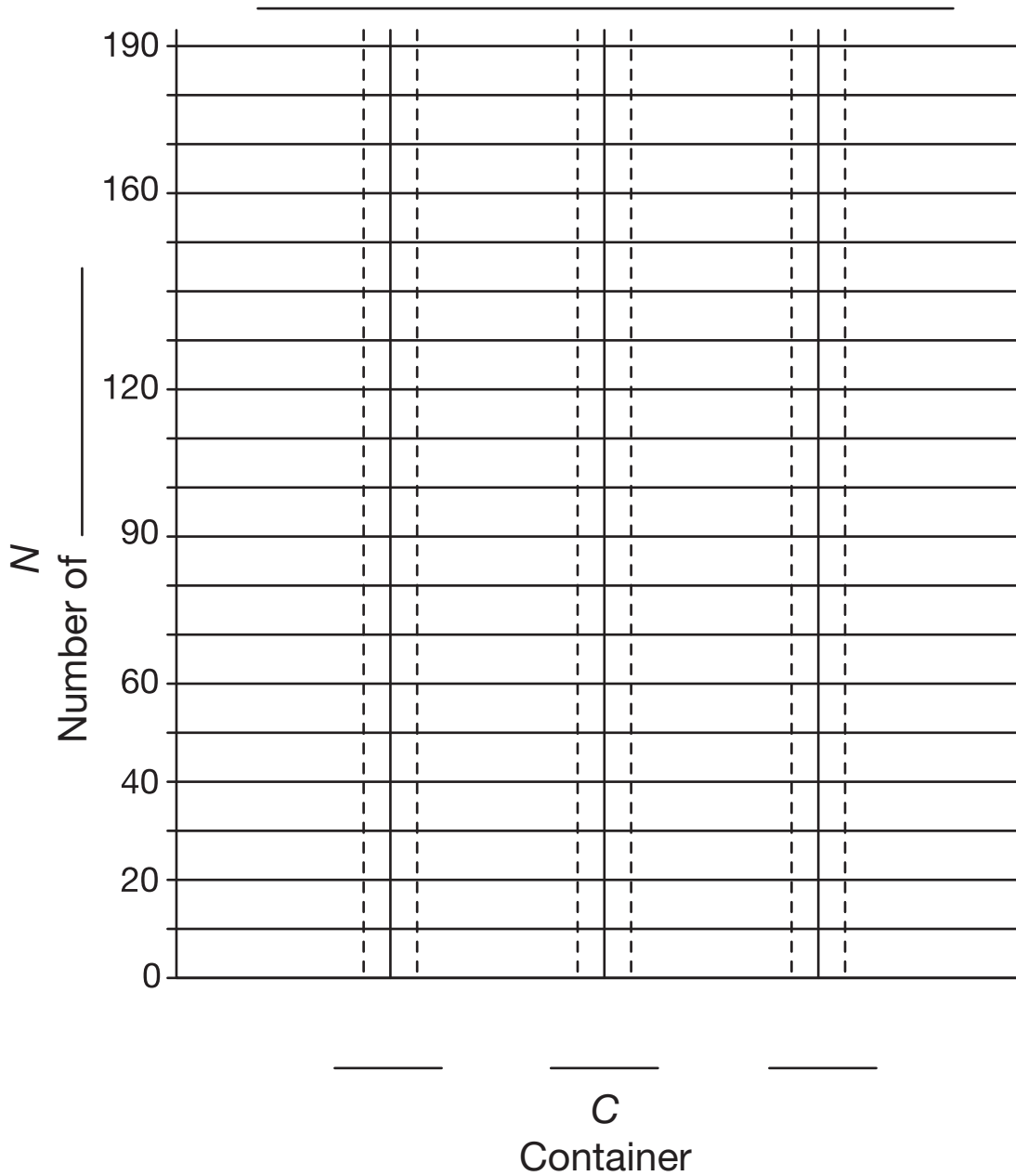
C Container	N Number of _____ <i>unit</i>

4. Look at your estimate in Question 1. Was your estimate close to the number of marshmallows in the tall container? Explain.



Graph

5. Make a graph of your data.





Use the data table, graph, a number line, or *200 Chart* to answer the questions.

6. What are the two main variables in this experiment?

7. Which container is the tallest? _____

8. Which container is the widest? _____

9. Which container holds the most marshmallows?
How do you know?

10. Which container has the largest volume? How do you know?

11. Which container has the smallest volume? How do you know?

12. How many more marshmallows does the container with the largest volume hold than the container with the smallest volume? Show or tell how you know.

13. List your containers in order from the smallest volume to the largest volume.

Marshmallows and Containers Feedback Box	Expectation	Check In	Comments
Estimate a quantity using 10 as a benchmark. [Q# 1, 4]	E4		
Read and write numbers. [Q# 3, 5]	E5		
Solve addition and subtraction word problems. [Q# 12]	E8		
Measure volume of containers using nonstandard units. [Q# 3]	E10		
Make a data table and a bar graph to find information about a data set. [Q# 3, 5]	E11		
Read a data table and bar graph to find information about a data set. [Q# 9, 13]	E12		
Make predictions and generalizations about a data set using a data table and graph. [Q# 10–11]	E13		

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