

# Math Connections for Parents

Grade 1 Module 3

Ordering and Comparing Length Measurements as Numbers

Welcome to Module 3 of First Grade Math. In Module 3, students will work on comparing the lengths of two or more objects. They will explore concepts of things being *longer than* and *shorter than* and will start to talk about unit lengths, first with cubes lined up by a ruler, and then with measuring in centimeters as well as non-standard units (paper clips, toothpicks). Students also will work on collecting data and describing the data they see.

## Important Words and Concepts

- Centimeter: standard length unit within the metric system
- Centimeter cube: pictured right 
- Length unit: measuring the length of an object with equal-sized units
- When measuring, use the language
  - ✓ Less than
  - ✓ Longer than
  - ✓ More than
  - ✓ Shorter than

## **Sums and Differences to 10**

Students continue to work on mastering the addition and subtraction facts 0-10. Students who are ready may begin to work on facts 10-20. The quick recall of these basic facts will help students as they add and subtract lengths to measure items that are longer and shorter.

## KEY STANDARDS

- Compare length by finding objects *longer than, shorter than, and equal and length*
- Show length of an object using centimeter cubes
- Measure objects with non-standard units (toothpicks, paper clips) to see the need to measure with a consistent unit (centimeters)
- Collect, sort and organize data, then ask and answer questions about the number of data points



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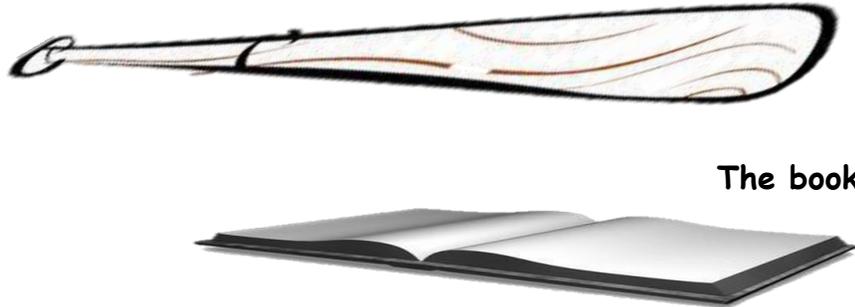
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Graphics and Strategies you will see...

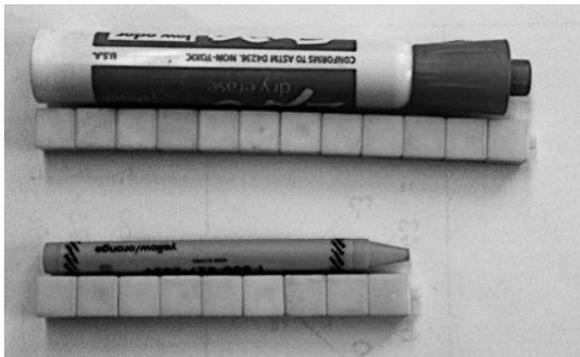
Students will be asked to make comparisons between objects.



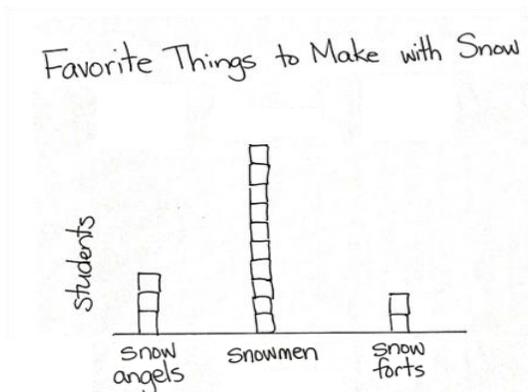
The baseball bat is longer than  
shorter than  
the same length as the paper strip.

The book is longer than  
shorter than  
the same length as the paper strip.

The baseball bat is \_\_\_\_\_ than the book.



Students use centimeter cubes to measure objects around the classroom.



Students make graphs and organize data with tally marks. They will then answer questions about the data they created.