Grade 1 Module 3

Tips for Families

Key Concepts Overview

Focus TEKS: **1.3B, 1.5D, 1.7A, 1.7B, 1.7C, 1.7D, 1.8A, 1.8B, 1.8C**

In Module 3, students are introduced to the idea of measuring with a **length unit**, gaining a new level of precision with the concepts of *longer than* and *shorter than*. Students measure the length of objects using standard length units, such as **centimeter cubes**, and nonstandard length units, such as paper clips. To close out the module, students engage in an exploration of **data** collections and interpretation. Your student will:

- ☐ Place centimeter cubes end to end along the length of an object with no gaps or overlaps, learning that the total number of cubes represents the length of that object in **centimeters**.
- ☐ Compare lengths by using statements such as, "The pencil measures 10 centimeters. The crayon measures 6 centimeters. So, the pencil is longer than the crayon."
- ☐ Order objects from shortest to longest before and after measuring them.
- ☐ Understand the usefulness and importance of using same-sized length units when measuring.
- ☐ Measure objects using nonstandard units (e.g., paper clips and toothpicks) and answer questions such as, "If Bailey uses paper clips and Maya uses toothpicks and they both measure the same items in our classroom, will they be able to compare their measurements?"
- ☐ Solve word problems related to length.
- ☐ Learn how to collect data, organize the data in **graphs** and **tables**, and interpret the data.
- ☐ Use **tally marks** as an efficient counting strategy.
- ☐ Ask and answer questions about data presented in graphs and tables.
- ☐ Solve word problems about sets of data.

You can use the checklist above to help monitor your student's progress of the knowledge and skills in this module. Daily sample problems with solutions and thought bubbles are found in the Homework Helper pages in the Succeed Student Edition to help you support your student as they work at home.

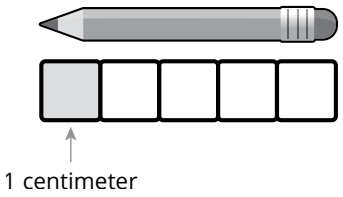
Additional Ways to Help at Home

- Provide opportunities for your student to measure and compare lengths. They can use a household item (e.g., a string, an index card, a paper clip) as a measurement tool. Ask your student to use the words *longer than*, *shorter than*, and *the same length as* to compare the measured objects (e.g., "My shoe is four paper clips shorter than Ruthie's shoe!").
- Ask your student to order objects from shortest to longest or vice versa. For example, your student might say, "The couch is longer than the coffee table. The coffee table is longer than the chair. The order from shortest to longest is chair, coffee table, couch."

- When solving word problems where the difference is unknown (e.g., If Sam has 9 apples and Maria has 12, how many more apples does Maria have than Sam?), encourage your student to share more than one solution strategy. They might think in terms of addition: Nine plus which mystery number gives me 12? (3) Alternatively, they might think in terms of subtraction: When I take 9 away from 12, I get 3.
- Help your student stay sharp with addition and subtraction skills up to 20. Starting at 0, two players take turns rolling a die, adding the number on the die to the total, and stating the addition number sentence. For example, player A rolls 6 and says, "0 + 6 = 6." Partner B rolls 3 and says, "6 + 3 = 9." Players continue rolling until they get to 20, without going over. (If the total is 18, for example, players take turns rolling until someone rolls a 2.) Play a similar game with subtraction, starting at 20 and subtracting each roll of the die until you reach 0.
- Reinforce your student's place value understanding in preparation for Module 4. With your student, practice saying numbers the Say Ten way. For example, you say, "43," and your student says, "4 tens 3."

Terms

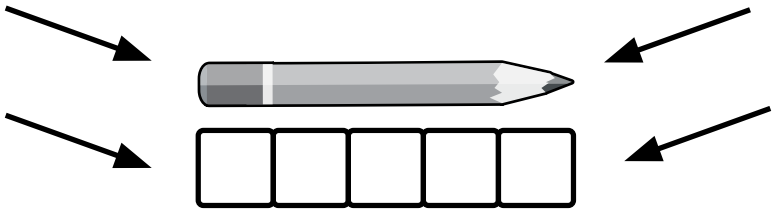
Centimeter (*Centímetro*): a unit used to measure length



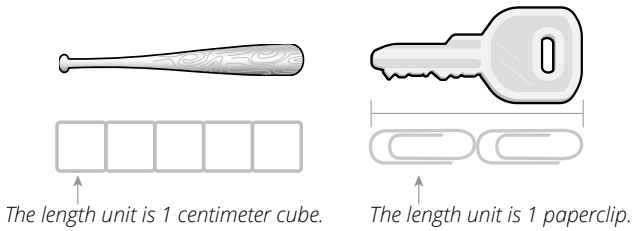
Data (*Datos*): collected information

Fruit	Tally Marks	Votes
Apple	||	2
Strawberry	||||	4
Banana	𝍸 |||	8

Endpoint: the beginning or end of an object

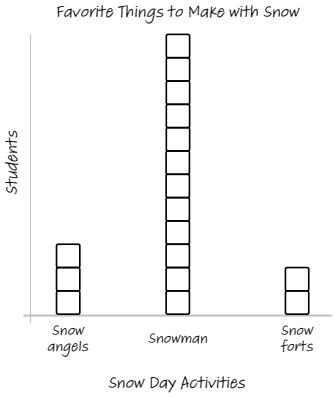


Length unit: an equal-sized unit that tells us what we are measuring by



Models

Graph



Table

Favorite Type of Book

Fairy Tales	𝍸 𝍸 |
Science Books	𝍸 |||
Poetry Books	𝍸 𝍸 𝍸

𝍸 = 5 students

Tally Marks

𝍸 𝍸

Centimeter Cube



Centimeter Ruler

