

Grade 2 Module 7

Tips for Families

Key Concepts Overview

Focus TEKS: **2.2E, 2.2F, 2.4A, 2.4B, 2.4C, 2.5A, 2.5B, 2.9A, 2.9B, 2.9C, 2.9D, 2.9E, 2.10A, 2.10B, 2.10C, 2.10D, 2.11A, 2.11B, 2.11C, 2.11D, 2.11E, 2.11F**

In Module 7, students use addition and subtraction strategies within 100 and problem-solving skills as they learn to work with various types of units within the contexts of length, money, and data. An exploration of personal financial literacy is also included in this module. Your student will:

- ☐ Learn to sort pictures and information into categories and to record that **data** in a **table**.
- ☐ Create and use **pictographs** and **bar graphs** to organize and represent a data set with up to 4 categories per graph.
- ☐ Count the total value of a group of coins, skip-counting by fives and tens as needed.
- ☐ Learn to make change from one dollar by using counting on and simplifying strategies (e.g., the arrow way).
- ☐ Solve one- and two-step word problems involving money and length.
- ☐ Consider saving as an alternative to spending and learn how money saved can grow into a larger sum over time.
- ☐ Compare **deposit** and **withdrawal**, **consumer** and **producer**, and **borrowing** and **lending**.
- ☐ Learn about the **inch** as a unit of length and understand that 12 inches form a larger unit called a **foot**.
- ☐ Measure using both customary units of length (e.g., inches, feet, **yards**) and metric units of length (e.g., centimeters, meters), choosing appropriate tools to measure each object efficiently.
- ☐ Generate mental benchmarks for customary units; for example, the width of a quarter is about 1 inch, and the length of a sheet of paper is about 1 foot.

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

- Invite your student to create a pictograph for different types of coins. Give her a small handful of pennies, dimes, nickels, and quarters, and ask her to sort and organize the coins by type. Encourage your student to draw a pictograph on paper to represent how many of each type of coin are in the groups.
- Help your student practice making one dollar or making change from one dollar by asking him questions such as, "If I have 35¢, how much more do I need to have 100¢, or one dollar?" Give your student coins to show how he counts on to one dollar and challenge him to record his work by using the arrow way.



- Play an estimation game with your student. Challenge her to estimate the length of household objects, and then have her measure each object to see how close her estimate is to the actual measurement.
- Play the “Roll and Follow the Rule” game to help your student maintain or build fluency with addition and subtraction. Give your student a base number such as 9, and then have him roll a die to find the rule. (If a die is not available, the game may be played using a random number generator on a smart phone.) For example, if he rolls a 5, he adds 5 repeatedly: $9 + 5 = 14$, $14 + 5 = 19$, $19 + 5 = 24$. Have your student record as many number sentences as he can for 30 seconds and then switch to a different base number and roll the die for a new rule. Play again with subtraction, starting with a base number such as 40. For example, if your student rolls a 2, he subtracts 2 repeatedly: $40 - 2 = 38$, $38 - 2 = 36$, $36 - 2 = 34$.

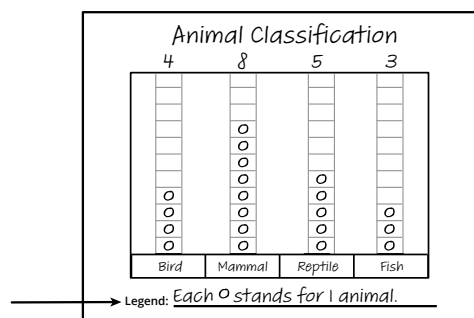
Terms

Consumer (*Consumidor*): a person who buys a product or a service

Data (*Datos*): a set of facts or pieces of information

Animal Habitats		
Arctic	Woodland	Ocean
4	10	6

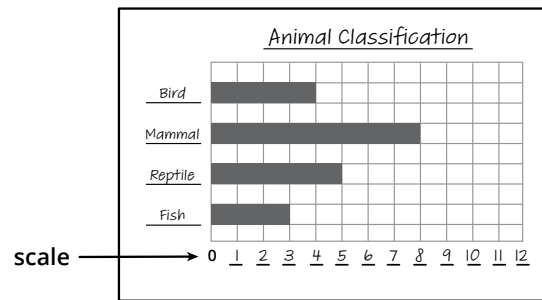
Legend (*Leyenda*): a notation on a graph explaining what symbols represent



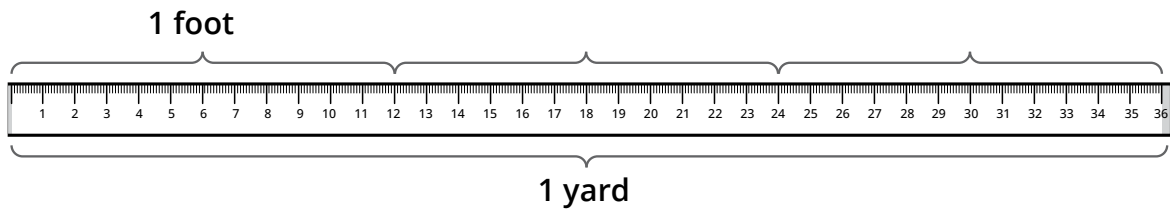
Producer (*Productor*): a person who makes products or provides services



Scale (*Escala*): a number line used to indicate the various amounts represented in a bar graph

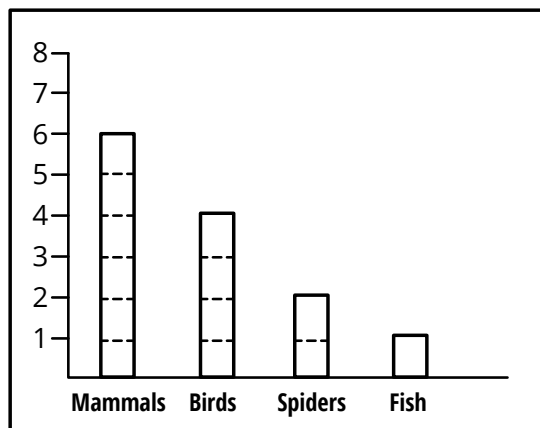


Yard: a unit of length equal to 36 inches or 3 feet

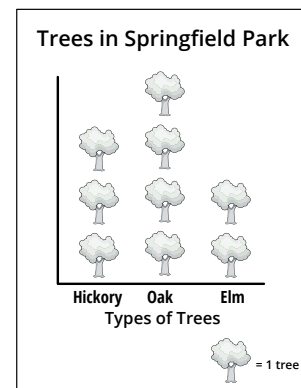


Models

Bar Graph



Pictograph



Table

Oranges	Lemons	Bananas	Pears
2	5	3	4

