Paths to Adding, Subtracting & Measuring



In this unit, your student will:

- Count forward within 50
- Order and compare numbers from 1 to 10
- Solve addition and subtraction problems within 10
- Compare objects to see which lengths are longer, shorter, or the same
- Learn the names and values of pennies and nickels

Your student will practice these skills by solving problems such as these:



PROBLEM	COMMENTS
Which ribbon is the longest? Which is the shortest? Are there any that are the same length?	Students compare the lengths of objects in the classroom to develop an understanding of <i>longer</i> , <i>shorter</i> , and <i>equal</i> lengths.
equal ****	
The yellow ribbon is the longest. The orange ribbon is the shortest. You have to match the ends up to see which is longer and which is shorter. The blue and white ones are the same.	

Frequently Asked Questions About Unit 4

Q: What is a number path and how is it used in kindergarten?

A: A number path is a set of numbers, evenly spaced, that increase in value from left to right. It helps students see number relationships as they count both forward and backward. For example, a child can see that 1 is right next to 2 but 10 is much farther away. When they see the spatial difference between 2 and 5 on a number path, it is easier for them to understand the difference between 2 and 5.

Q: How can I support my student's learning?

A: Provide your student with opportunities to count objects such as small toys, coins, or snack items such as grapes or crackers. Then ask, "What if I gave you 1 more? How many would you have?" or "What if I took 1 away? How many would you have?" Encourage your student to solve problems like this by asking which number comes before or after a number when counting. For example, if they count 5 fish crackers and you take 1 away, ask them what number comes before 5 when counting. Invite your student to count to check their answer. By doing so, you are helping them make connections between counting and computing. When they are confident with the concept of 1 more and 1 less, expand the idea to 2 more and 2 less than a given number.

To further support your student in learning mathematics, you can:

- Visit <u>mathathome.mathlearningcenter.org</u> and do some or all of the activities in Kindergarten: Set 4 together. These activities complement the learning taking place in the classroom during Unit 4 and provide fun ways to engage children in mathematical thinking. This set also includes digital versions of games that your student has learned at school, such as Foxes & Dens.
- Visit <u>apps.mathlearningcenter.org</u> and invite your student to explore the Number Chart app. Throughout Unit 4, students count on number paths and discuss patterns and number relationships as they count to 50.
- Share money from other cultures with your student. They might be interested in learning more about coins and money, as this is a topic explored in Unit 4. Here are some books about money and measurement to enjoy together:
 - » The Penny Pot by Stuart J. Murphy, illustrated by Lynne Cravath
 - » Paletero Man: ¡Que Paletero tan Cool! by Lucky Diaz, illustrated by Micah Player, translated by Dr. Carmen Tafolla
 - » Sometimes We Do by Omo Moses, illustrated by Diego Chavez
 - » The Coin Counting Book by Rozanne Lanczak Williams
 - » Money Monsters by Okeoma Moronu Schreiner, illustrated by Sandhya Prabhat
 - » Between Us and Abuela: A Family Story from the Border by Mitali Perkins, illustrations by Sara Palacios
 - » My Rows and Piles of Coins by Tololwa M. Mollel, illustrated by E. B. Lewis