

Unit 5 Summary



Time Frame: 15 days

The focus of Unit 5 is the introduction of the numbers 11 through 20. The use of the ten-frame to introduce these numbers provides a basis for further exploration of place value. The children also begin the money component of the Calendar Routine, which has them using one-to-one correspondence, matching coins to the current date, and exchanging them for those of higher values when appropriate. Number stories are solved with the help of math manipulatives, the children explore the concept of estimation and discuss what constitutes a “smart guess.”

Essential Questions

(K.CC.A.3) How can we use a numeral to show how many objects there are?

(K.CC.C.6) How can we tell that one group has more than, less than, or the same amount as another group?

(K.OA.A.1) How can we use objects to show addition and subtraction?

(K.NBT.1.1) How can we group numbers by tens and ones to see how many of each we have?

(Starfall.M.1) How can knowing the name and value of coins help us in the real world?

(Starfall.Math.E.1) How do we estimate the amount of objects and compare them to the actual amount?

Vocabulary

Actual

Review:

Estimation

Horizontal

Smart Guess

Vertical

Survey

Enduring Understandings

Counting is a purposeful skill that assigns a number name to an object or set of objects.

Mathematical operations are used in solving problems in which a new value is produced from one or more values.

Algebraic thinking involves choosing, combining, and applying effective strategies for answering quantitative questions.

Understanding place value can lead to number sense and efficient strategies for computing with numbers especially as related to teens.

In order to make a good estimate, a sense of the quantity involved is crucial.

Recommended Literature

Betcha! by Stuart J. Murphy

Bunny Money by Rosemary Wells

Great Estimations by Bruce Goldstone

How Many Seeds in a Pumpkin? by Margaret McNamara

Lemonade in Winter: A Book About Two Kids Counting Money by Emily Jenkins

Piglets Playing: Counting from 11 to 20 by Megan Atwood

Ready, Set, Hop! by Stuart J. Murphy

What's the Place Value? by Shirley Duke