

Curriculum Parent Overview (Kindergarten)

MATHEMATICS

UNIT #6: How many now?

CONTENT FOCUS: Using a variety of contexts including Inventory Bags, measuring, games and the Counting Jar, students develop accurate counting strategies as they count, compare, and represent 20. The class revisits addition and subtraction situations, including story problems, which students now model, solve, and represent on paper.

UNIT FOCUS:

- Counting and representing quantities: Students count larger amounts in a variety of contexts. The larger amounts require students to learn a new sequence of number names and numerals and that they refine their strategies for organizing and keeping track of the objects they are counting. Many of the counting activities will ask students to add a small amount to a set and figure out “How many now?”. Students will begin to combine amounts instead of counting whole collections from one each time. Students will continue to use pictures, numbers, words, and tools such as Ten Frames to represent quantities.
- Understanding, representing, and solving addition and subtraction problems: Students continue to develop an understanding of the operations of addition and subtraction as they retell, model, and solve story problems about combining and separating. The focus remains on making sense of what is happening in a problem. The ability to visualize the actions of combining or joining and removing or separating form the basis for students’ problem solving throughout the grades. Students play a variety of games that model the operations of addition and subtraction and continue to think about the different ways numbers can be composed or decomposed.

MATHEMATICAL PRACTICES:

MP3: Construct viable arguments and critique the reasoning of others.

MP5: Use appropriate tools strategically.

CONNECTIONS TO PREVIOUS CONTENT: This unit builds on the work in Unit 4, which gave students many opportunities to count and compare quantities and measure objects through direct comparison and the use of multiple units. Students began making sense of the operations of addition and subtraction by acting out stories and playing games that involved combining or separating small amounts.

CONNECTIONS TO FUTURE CONTENT: In Unit 8, students will refine and extend their counting to 100 by starting from numbers other than 1 and learn the counting by 10’s sequence. Students will continue to solve story problems, with a focus on subtraction situations and they will create situations to match addition and subtraction expressions. Unit 8 also develops foundational ideas of place value as students work with complements of ten and make sense of teen numbers as a group of ten ones and some number of ones.

MATH AT HOME:

- Play any of the following games with your child on SavvasRealize site after it has been introduced in the classroom:
 - Collect 20 Together
 - Double Compare
 - Build and Remove
 - Racing Bears
 - Roll and Record 1, 2, and 3
 - Toss the Chips
 - Total of Six
- Practice counting sets of up to 20 objects.
- Solve problems about combining and separating small amounts. Encourage children to explain how they solve such problems.
- Review the Math Words and Ideas videos for this unit on SavvasRealize site.