SD 38 K-12 Mathematics & Numeracy

Grades 2&3: Week Nine

Big Idea: Computational fluency develops from a strong sense of number.
Curricular Content: addition and subtraction facts to 20, addition and subtraction to 100,1000, introduction to multiplication and division concepts
Curricular Competencies: develop mental math strategies and abilities to make sense of quantities, develop, demonstrate, and apply mathematical understanding through play, inquiry and problem solving, engage in problem-solving experiences that are connected to place, story, community, and culture, communicate mathematical thinking in many ways, represent mathematical ideas in concrete, pictorial, and symbolic forms
Core Competencies focus: Communication

Teachers and Families: The following are five problems/tasks to choose from for this week, based on the above curricular areas of focus.

Write a math story that involves adding or subtracting. Choose numbers that you make you think! What problem will you pose as part of your math story?
The number/answer is 99. What could the math question be? Think of ten or more different math questions/problems that have an answer of 99. Use words, pictures, numbers and symbols and addition, subtraction, multiplication or division. Record all the questions on paper or using technology. How are they the same? How are they different?
Figure out two different sets of numbers that would make sense in this math story: There were _____ birds on each branch of a tree. There were _____ branches on the tree. _____ birds flew away. Now there are 16 birds in the tree. Use numbers that will cause you to think! How can you show or record how you figured out your sets of numbers?
Choose three questions that seem just right for you to practice: 18+5, 36+8, 4x6,15÷5, 8x7, 36÷3, 75+22, 95+16, 89+79, 475+325, 650+275 What different strategies can you use to solve these questions? How can you show or record how you figured out the answers?
Numeracy Task: At the market, a banana costs $3, an apple is $1, an orange is $2, a watermelon is $6 and a container of strawberries is $5. What different combinations of fruit can you buy for $12? How will you share your solutions to this task?

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Core Competencies
Reflection and Self-Assessment

As you think about number operations, problem-solving and posing, and math stories, we have asked you to think about how you will share and present your thinking. This is an important part of developing your competency in Communication.
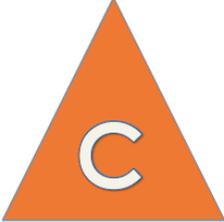
C **Communication**	*How do you present and share your mathematical thinking and learning using different forms, such as pictures, numbers, words and symbols?*

Share an example of how you can communicate your understanding of mathematics.

What is an area of communication in your mathematics learning that you would like improve? What could you do to work towards this?

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