SD 38 K-12 Mathematics & Numeracy

Kindergarten – Grade Two: Week Eleven

Big Idea: Computational fluency develops from a strong sense of number.
Curricular Content: decomposing quantities, addition and subtraction facts to 20, addition and subtraction to 20, 100 (concept, process)
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: Positive Personal and Cultural Identity

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

Draw and write a math story about a garden. It could be about counting, decomposing or combining quantities (amounts), measuring, adding or subtracting. Choose numbers that stretch your thinking! What problem will you pose as part of your math story?
The number/answer is 15. What could the math question be? Think of ten or more different math questions that have an answer of 15. Use words, numbers and symbols. Record all the questions on paper or using technology. How are they the same? How are they different?
Figure out three different sets of numbers that would make sense in this math story: There are _____ rows of plants in a garden. There are _____ plants in each row. There are _____ plants in the garden. 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: 9 and 3, 4 and 5, 1 and 6, 8+7, 37+6, 41+9, 38+43, 86+59 What different strategies can you use to solve these questions? How can you show or record how you figured out the answer?
Numeracy Task: Design and draw a garden. Make room to plant 4 rows of plants. For each row, you could have 4 or 5 plants. How many plants are in your garden? Show how you figured that out. What strategy/method do you think is a strength of yours?

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 your personal strengths and abilities. This is an important part of developing your Personal & Social competency.

PS **Positive Personal and Cultural Identity**	*What are your personal strengths as a learner of mathematics?*

Share an example of some mathematics you can do that shows a personal strength or ability that you have.

What is an area of mathematics that is a "stretch" for you? What goals do you have to improve your abilities and competencies in that area?

RICHMOND
SCHOOL DISTRICT NO.38