SD 38 K-12 Mathematics & Numeracy

Grades 3-5: Week Six

Big Idea: Computational fluency develops from a strong sense of number.
Curricular Content: multiplication and division concepts, multiplication and division facts and multiplication and division with greater number
Curricular Competencies: communicate mathematical thinking in many ways, represent mathematical ideas in concrete, pictorial, and symbolic forms, connect mathematical concepts to each other and to other areas and personal interests
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.

Choose a number: 20, 50, 100 or 150. What different ways can count up to and down from that number? Consider counting by 2s, 3s, 4s, 6s or 7s. How will you share one way you counted? What patterns do you notice?
An array is a quantity of items organized into rows and columns. Choose 24 or 36 items from your home or outside. What different ways can you organize them into arrays? Draw the arrays and label them with numbers. 
Choose a number: 24, 36, 48 Think of a situation where you might share that number of something between two, three or four people in your family. It could be cookies, eggs or anything you want to write your math story about. Record your math story using pictures, numbers, symbols and words. What would be a related math story using multiplication (with different numbers)?
Choose three questions: 3X16, 6x24, 5X32, 4X45, 8X18, 5x275, 3x649 Show how you can decomposing one of the factors into smaller numbers to solve these questions. For example, I could solve 8x15 by decomposing 15 into 10 and 5 and multiplying 8 by 10 and then by 5 and adding them together. (8x10) + (8x5) = 80+40 so 8x15 =120 Record how you used decomposing to solve these questions.
Numeracy Task: Look around your home or neighbourhood. Where can you find arrays? Can you find a website or infographic that uses arrays to communicate information?

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RICHMOND SCHOOL DISTRICT NO.38