

SD 38 K-12 Mathematics & Numeracy

Grades 2&3: Week Eleven

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 about a garden that involves 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 75. What could the math question be?
Think of ten or more different math questions/problems that have an answer of 75. 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 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 stretch your thinking!
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:
18-9, 25-8, 50-25, 75-49, 175-79, 425-375, 850-375
What different strategies can you use to solve these questions?
How can you show or record how you figured out the answers?

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.

 <p>Positive Personal and Cultural Identity</p>	<p><i>What are your personal strengths as a learner of mathematics?</i></p>
<p>Share an example of some mathematics you can do that shows a personal strength or ability that you have.</p>	
<p>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?</p>	