SD 38 K-12 Mathematics & Numeracy

Grades 6-7: Week Six

Big Ideas: Number represents and describes quantity. Computational fluency comes from a strong sense of number.
Curricular Content: introduction to integer concepts and integer operations
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.

What is an integer? You can use a dictionary to check if you are not sure. Share some examples of what they are and also what they are not. Why do you think they are sometimes called positive and negative numbers? Show what you know about integers using pictures, numbers, symbols and words.
Start at -12 and count by 2s to 12. Start at -30 and count by 5 to 30. Record your counting using a numberline or other visual that helps show your thinking.
-3 + 5 = 2 True or False? 8 + (-12) = 4 True or False? Use words, numbers, diagrams, or pictures to justify and explain your thinking.
When might you need to calculate using integers? Think about contexts like temperature, distance, golf or other sports. Write two math problems that involve integers and show you could solve them using a numberline or other visual.
Numeracy Task: Look around your home, in newspapers or magazines or on a website. Where can you find examples of integers being used to communicate information. Record at least three examples you find, including the source.

created by Janice Novakowski for the Richmond School District
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