

SD 38 K-12 Mathematics & Numeracy

Kindergarten – Grade Two: Week Six

Big Idea: Number represents and describes quantity.

Curricular Content: number concepts to 10, 20 and 100

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, 5s or 10s or try 3s or 4s.

How will you share one way you counted?

Choose a number: 8, 18, 20, or 36

Find that quantity of items (rocks, seeds, books, blocks, toys, etc)

What different ways can you decompose (break into parts) that quantity into **equal groups** (eg. 10 can be decomposed into 5 and 5 or 2 and 2 and 2 and 2 and 2) ?

How will you show your thinking?

Choose a number: 6, 12, 15, 20 or 24.

Think of a story where you share that number of something between two or three people in your family. It could be cookies, toys, or pennies or anything you want to write your math story about.

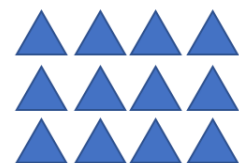
Record your math story using pictures, numbers and words.

An array is a quantity of items organized into rows and columns.

Choose 12 items.

What different ways can you organize them into arrays?

Draw the arrays and label them with numbers.



Numeracy Task:

Look around your home or neighbourhood. Where can you find quantities of things that are organized into groups? Can you find any arrays?