

SD 38 K-12 Mathematics & Numeracy

Grades Two & Three: Week Seven

Big Idea: We can describe, measure and compare spatial relationships.

Curricular Content: geometry – attributes and comparison of 2D shapes and 3D objects

Curricular Competencies: visualize to explore mathematical concepts, communicate mathematical thinking in many ways, use mathematical vocabulary

Core Competencies focus: Communication, Creative Thinking

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

Go on a shape walk around your home or around your neighbourhood. What 2D shapes can you find? Can you find different kinds of triangles and rectangles? Shapes with more than four sides? Shapes with curved sides? Record your shapes – draw them in groups (shapes with straight edges) or in a list with words to describe them or take photos of them.

Here are two 2D shapes.

How are they the same?

How are they different?

Draw the shapes and record your thinking using arrows, words, numbers or pictures.



Find five 3D objects at home, like boxes or cans.

What math words can you use to describe them?

Draw what 2D shapes you see in each 3D object.

What do you notice about the 2D shapes you find in 3D objects?

Here is an example of a 3D “net”. It shows the edges and vertices.

What can you find at home to create your own 3D net?

(straws, sticks, chopsticks, toothpicks, rolled up paper)

Make a 3D net of an object and describe how many edges and vertices (corners) it has. What new ideas do you have about shapes?



Numeracy Task:

Some shapes are more common in buildings and structures. What shapes can you see in buildings, towers or bridges? Find a structure in our community, or a photograph of one and build it using objects you have at home.

Draw it and label the shapes you find.