

# Pre-K 2020 Unit #2: Mathematics - My Family (PK)

Content Area: **Mathematics**  
Course(s): **Pre K**  
Time Period: **Marking Period 1**  
Length: **4 Weeks**  
Status: **Published**

## Established Goals/Standards

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Please choose the appropriate Goals/Standards from the Standards tab above.

MA.PK.4.1.4.a	Accurately count quantities of objects up to 10, using one-to one-correspondence, and accurately count as many as 5 objects in a scattered configuration.
MA.PK.4.1.4.b	Arrange and count different kinds of objects to demonstrate understanding of the consistency of quantities (i.e., "5" is constant, whether it is a group of 5 people, 5 blocks or 5 pencils).
MA.PK.4.1.4.c	Instantly recognize, without counting, small quantities of up to 3 or 4 objects (i.e., subitize).
MA.PK.4.4.1	Respond to and use positional words (e.g., in, under, between, down, behind).
MA.PK.4.4.2	Use accurate terms to name and describe some two-dimensional shapes and begin to use accurate terms to name and describe some three-dimensional shapes (e.g., circle, square, triangle, sphere, cylinder, cube, side point, angle).
MA.PK.4.4.3	Manipulate, compare and discuss the attributes of:
MA.PK.4.1.4.a	match sets;
MA.PK.4.1.4.b	spontaneously count for own purposes; and
MA.PK.4.1.4.c	recognize a number of objects (up to four) without counting.
MA.PK.4.2.6	Use simple shapes to make designs, patterns, and pictures (e.g., tangrams).
MA.PK.4.2.7	Explore the use of nonstandard objects for measurement.
MA.PK.4.2.8	Compare and order objects according to measurable attributes (e.g., length, weight).
MA.PK.4.3.4	Show awareness of the attributes of objects through sorting, ordering, and classifying.
MA.PK.4.4.1	Learn mathematics through problem solving, inquiry, and discovery and use emergent mathematical knowledge as a problem-solving tool.
MA.PK.4.4.2	Solve problems that arise in mathematics and in other contexts.
MA.PK.4.4.3	Use communication to organize and clarify mathematical thinking by discussing, listening, and asking questions during activities.
MA.PK.4.4.4	Recognize that mathematics is used in a variety of contexts in all disciplines, and apply mathematics in practical situations and other disciplines.
MA.PK.4.4.5	Use technology to reinforce concrete mathematical information (e.g., to explore patterns and shapes).

## Essential Questions

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Please add your Essential Questions by clicking on the Lists tab above.

- How can you sort the items?

- How long is...?(measured item)
- How many are there?
- What shapes do you see in the classroom?

## **Enduring Understanding**

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Please add your Enduring Understandings by clicking on the Lists tab above.

- Answers may vary - circle, square, triangle, rectangle
- Answers may vary - size, color, shape
- The pencil is 4 cubes long
- There are 5 bear counters

## **Content**

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Students will be able to

- Recognize shapes in the real world
- Name shapes
- Create shapes
- Identify shape attributes
- Count items
- Measure lengths
- Compare length
- Count to 5
- Compare quantities
- Recognize numerals
- Sort and describe objects

Vocabulary

- circle
- corner
- rectangle
- side
- square
- triangle
- length
- longer
- longest
- shorter
- shortest
- fewer
- greater
- less
- more
- group

- object
- pile
- sort

## Resources

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Please add your Resources by clicking on the Lists tab above.

- Bear counters
- Bear's Busy Family by Stella Blackstone
- Math Mat 5
- Math Mat 6
- Math Mat 7
- Math Mat 8
- Pattern blocks
- Unifex cubes