

Kindergarten

Math



Kindergarten Round-Up
Lakeview Public Schools

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Common Core State Standards

Instructional time in kindergarten focuses on two critical areas:

- Representing, relating, and operating on whole numbers, initially with sets of objects
- Describing shapes and space

Counting and Grouping

- Know number names and the count sequence
- Count to tell the number of objects
- Compare numbers

Operations and Algebraic Thinking

- Understand addition as putting together and adding to
- Understand subtraction as taking apart and taking from

Numbers and Operations in Base Ten

- Work with numbers 11-19 to gain foundations for place value

Measurement and Data

- Describe and compare measurable attributes
- Classify objects and count the number of objects in categories

Geometry

- Identify and describe shapes
- Analyze, compare, create, and compose shapes

Mathematical Practices – Kindergarten thru 12th Grade

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularly in repeated reasoning

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Things to Try at Home

Because Math Expressions has a strong emphasis on everyday life, there are many things you can do to encourage your child to become more aware of mathematical ideas. Here are some things that you can try at home.

- Have your child sort the clean silverware to put back in the silverware tray
- Sort and count snacks (fruit snacks, candies, etc.)
- Count the number of steps it takes to get you somewhere
- Look for numbers and shapes all around you
- Use position words frequently (under, over, between, next to, inside, outside)
- Estimate how many items are inside a container or package and then count to see how many are actually there
- Practice your phone number and address
- Discuss ideas such as more, less, equal, larger, smaller, taller, shorter
- Find different ways to sort items (by size, shape, color, etc.)
- Practice counting: Start by counting to 10; When that seems secure, count to 20, then 30, and so on
- Play games using dice, numbered cards, and dominos
- Practice measuring using different forms of measure (number of footsteps, connecting blocks, how many hands high, measuring cups, balance scales, etc.)
- Practice writing numbers
- Play memory using number cards (find matching numbers)
- Practice naming numbers (number recognition)

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Dear Family:

Your child has just read and discussed *Anno's Counting Book*. This book is an introduction to beginning numbers. It is filled with charming scenes that show many things all of the same number (for example, a scene showing many different groups of 3 things). Each page shows a month of the year.

We have discussed what a scene is in class. *A scene is a place where some action or event occurs, a picture.* The children will be making their own scenes or pictures. Sometimes this will be started in class and completed for homework. You can help by talking with your child about what he or she might draw, for example, your child might draw 2 of something, such as things found in a kitchen—2 plates, 2 bowls, 2 spoons.

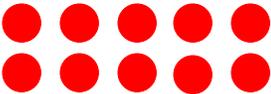
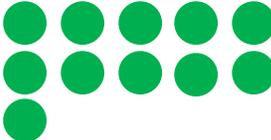
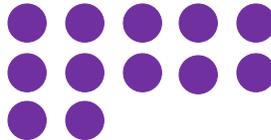
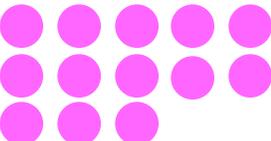
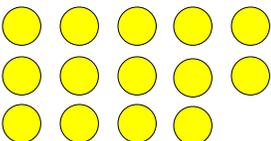
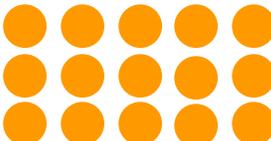
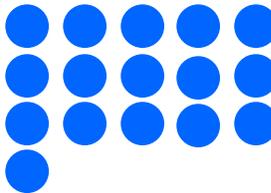
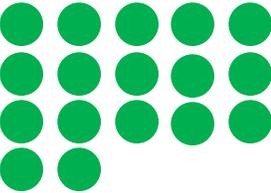
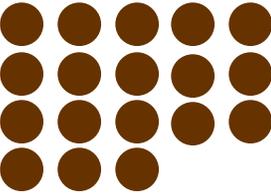
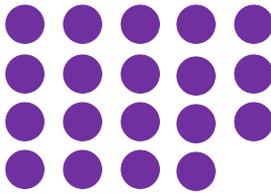
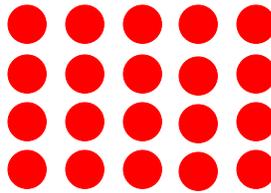
Help your child practice counting things in daily life. Children might count how many stairs there are in your home, how many plates you need to set the table, or how many people are in the family.

Thank you for helping your child learn more about numbers and counting!

Sincerely,
Your child's teacher



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1 	2 	3 	4 
5 	6 	7 	8 
9 	10 	11 	12 
13 	14 	15 	16 
17 	18 	19 	20 

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Math Learning Games

Top-It

Materials: - One deck of cards (with no face cards); You can make your own on index cards - just write one number on each card, make 40 cards - 4 sets of 1-10

This is a game for two players (it is just like war). Children shuffle the deck and deal out 20 cards to each player. Children place their stacks face down in front of them. They then turn over their top card and read the number out loud. Whoever has the larger number keeps both cards. If the cards have the same number, children put them aside and turn over the next two cards until someone wins the round and takes all the cards for that round. When children have used all the cards from both stacks, the play ends.

Monster Squeeze

Materials: - A number line from 0-20 (attached, cut out and tape together in one long line)
- Monster Markers (attached, cut out)
- Coins to use as place holders (for the advanced play!)

To begin playing, say: "I am thinking of a number between 0 and 20." Children take turns guessing the number. If their guess is too large, reply: "Your number is too large", and move the Monster marker to cover that number. If the number is too small, reply: "Your number is too small", and move the other Monster marker to cover that number. Continue to guess until the correct number has been guessed or squeezed between the two Monster markers.

When your child understands the concept of large and small, you can advance the game by changing your words. If they pick 6 as their guess and your number is 2, your reply could be: "My number is less than 6." If they pick 6 and your number is 12, say: "My number is greater than 6." Use the coins as place holders, so they remember the numbers they have already picked. When they figure out the number say: "Your guess is equal to my number."

Timing Game

Materials: - Clock with a second hand

Before you start any activity in the house, take a guess at how long it will take. Write down your guess. Complete the activity and write down how long it took. You can keep a log of how long it takes to make the bed, brush your teeth, and other daily activities to learn the concept of time. Make sure to use the words seconds and minutes when telling your child how long.

Money Matching

Materials: - Coins (Must have at least 2 pennies, 2 dimes, 2 nickels, and 2 quarters)
- An egg carton
- A bowl

Begin the game by filling every cup of an egg carton with one coin. Make sure to show both sides, at least once, of each coin (penny – heads up, penny – tails up, dime – heads up, dime – tails up, etc.). Fill the bowl with other change. Have your child close their eyes and pick a coin from the bowl. Ask them to find the matching coin in the egg cup and place it in that egg cup. Continue until all the coins are gone from the bowl. At the beginning tell your child what each coin is, and as you play the game more ask them to tell you what the name of each coin is. If your child has learned all the names, begin telling them how much each one is worth.

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Monster Squeeze
Game



0	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20