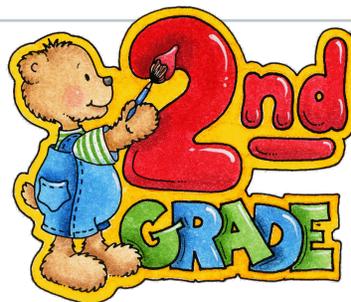


# Kindergarten

## Prerequisite Skills

At the beginning of the year, your child should be able to...

- Know number Names and count sequence
- Count to tell number of objects
- Compare numbers
- Understand addition as putting together
- Understand subtraction as taking apart
- Work with Numbers 11-19
- Describe and compare measurable attributes
- Classify and count the number of objects
- Identify and describe shapes

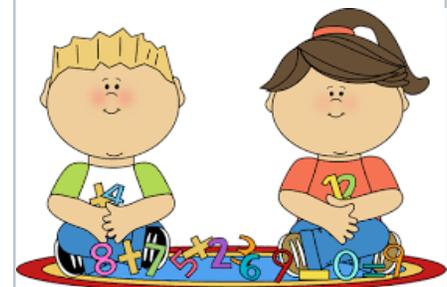


## Future Content Skills

Next year, your child will...

- Represent and solve problems involving addition and subtraction.
- Add and Subtract within 20
- Understand place value
- Use place value to add and subtract
- Measure and estimate lengths in standard units
- Relate addition and subtraction to length
- Work with time and money
- Represent and interpret data
- Reason with shapes and their attributes

# 1<sup>st</sup> Grade Math



What does your child need to know?



A guide for parents

# 1<sup>st</sup> Grade Core Content Skills

## Strategies for adding and subtracting

1. Use models to show: add to, take from, take-apart, and compare
2. Develop Meaning of operations addition and subtraction
3. Understand the connection between counting and addition and subtraction
4. Solve addition and subtraction problems to 20

## Developing understanding of whole number relationships and place value

1. Use efficient, accurate, and generalizable methods to add within 1000 and subtract
2. Compare whole numbers to 100
3. Understand and solve problems involving relative sizes.
4. Use tens and ones to describe and model numbers 10-100

## Linear measurement and measuring lengths as iterating length units

1. Understand the meaning and process of measurement
2. Express length by laying multiple copies of a shorter object end to end

## Reasoning about attributes of, and composing and decomposing geometric shapes

1. Compose and decompose plane or solid figures
2. Build understanding of part-whole relationships
3. Understand original and composite shapes
4. Recognize shapes from different perspective

## Represent and Interpret Data

1. Tell and write time to the hour and half hour
2. Organize, represent, and interpret data; ask and answer questions about the data

## Things to do with your child

- Divide a deck of cards evenly between you and your child and put the cards facedown. For each turn, players flip their top card face-up and decide who has the larger number.
- Label each cup of an egg carton with the numbers 0–11. Put two pennies in the carton, close the lid, and shake it up. Using the numbers of the two sections the pennies landed in, make up and solve addition and subtraction problems.
- Identify and compare two or three items using measurement terms: short, shorter, shortest and long, longer, longest. Put items in order from shortest to longest or longest to shortest.
- Help your child to make various shapes such as rhombus, hexagon, trapezoid, pentagon, square, or circle. Take turns holding up each shape and naming them. After naming all of the shapes, make a design.

## Parent Support Links

[ASD parent resources](#)- (homework help, “do anytime activities”, thinkcentral support, glossary)

<http://www.asdk12.org/math/parentresources/>

[Parent Road Map](#) – supporting your child in math

[http://www.asdk12.org/media/anchorage/globalmedia/documents/commoncore/roadmaps/ParentRoadmap\\_Math\\_2.pdf](http://www.asdk12.org/media/anchorage/globalmedia/documents/commoncore/roadmaps/ParentRoadmap_Math_2.pdf)

Keep math fun!

Talk and explain your thinking!