



## Prerequisite Skills

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

- Compare numbers to 100
- Understand 1s and 10s
- Understand the ones and tens place in a number
- Skip count by 5s and 10s
- Measure lengths using nonstandard measures (blocks, paper clips, etc.)
- Quickly and accurately add and subtract with numbers that total 10 or less
- Solve number stories using words and pictures with numbers to 100
- Create and read bar graphs



## Future Content Skills

Next year, your child will...

- Understand the relationship between multiplication and division.
- Multiply and divide up to 100
- Solve word problems using multiplication and division
- Develop and understanding of fractions as numbers
- Understand and calculate area and perimeter
- Solve problems using measurement, including time, volume and mass
- Create, read and interpret data from line and bar graphs

# 2<sup>nd</sup> Grade Math



What does your child need to know?



A guide for parents

# 2<sup>nd</sup> Grade Core Content Skills

## Things to do with your child

### Extend and understand place value

1. Identify and continue number patterns
2. Understand 1s, 10s and 100s
3. Understand what different digits mean in a number (the 4 in 45 is equal to 40)
4. Read and write numbers to 1,000 in different ways (145, 100+40+5, one hundred forty-five)

### Represent and solve problems with addition and subtraction

1. Determine if addition or subtraction is needed to solve a problem
2. Solve one- or two- step word problems with sums and differences smaller than 1000
3. Explain with words, numbers or pictures how a problem is solved.

### Quickly and accurately add and subtract numbers that total 20 or less.

### Understand measurement

1. Measure and estimate lengths in inches and centimeters
2. Add and subtract lengths

### Describe and Understand Shapes

1. Divide circles and rectangles into halves, thirds and fourths
2. Tell the number of sides, vertices or faces of a given shape

### Work with time and money

1. Tell time to the 5 minute
2. Identify the hour and minute hands
3. Count coin combinations (count like coins first, then add combinations)

### Represent and Interpret Data

1. Create, read and understand information in a bar graph.
2. Solve addition and subtraction problems

\* Give your child a number, can they tell you different ways to make it

For example: 415 can be  
4 hundreds, 1 ten, 5 ones AND  
41 tens and 5 ones AND  
31 tens and 15 ones AND.....

\*Give your child 3 digits, have him/her tell you the biggest and smallest number you can make  
(4,2,8 – Big = 824 Small= 248)

\* Tell time on a clock, talk about how much time until you do something. (ex. It's 8:30. You will go to bed in 30 minutes, at 9:00)

\* Roll two dice, add the total quickly

\* Use a ruler to measure objects around the house. Determine how

much bigger one item is.

\*Ask your child how many ways they can make an amount of money.

## 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!