Prerequisite Skills

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

- 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

Future Content Skills

Next year, your child will…

- Rapidly recall basic addition, subtraction, multiplication, and division facts
- Multiply and divide multi-digit numbers
- Add, subtract, and compare fractions
- Understand the relationship between fractions and decimals
- Represent and interpret data
- Quickly and accurately add and subtract whole numbers to 1 million
- Solve word problems including measurement, time, and conversions
- Draw and identify 2-D shapes

3rd Grade Math

What does your child need to know?

❧ ❧

A Guide for Parents

3rd Grade Core Content Skills

What can parents do at home?

Operations and Algebraic Thinking

- Represent and solve problems involving multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division.
- Multiply and divide up to 100.
- Solve problems involving the four operations, and identify and explain patterns in simple calculations.

Extend Understanding of Base Ten

- Continue use of place value understanding and properties of operations to perform multi-digit calculations.

Extend Understanding of Fractions

- Continue an understanding of fractions, especially unit fractions (fractions with a numerator of 1).

Measurement, Time, and Data

- Solve problems involving measurement.
- Elapsed Time.
- Liquid volumes and masses of objects
- Represent and interpret data (bar graphs, circle graphs, line plots).
- Developing understanding of the structure of rectangular arrays and of area.
- Understand concepts of area and relate area to multiplication and division.
- Recognize perimeter as an attribute (characteristic) of plane figures and distinguish between linear and area measures.

Geometry

- Describing and analyzing two-dimensional shapes

* Make multiplication flash cards, songs, poems, or games with your child, and practice five minutes daily.

*** Take a deck of playing cards and put aside the face cards. Pull three cards and have your child create the largest number they can. To further extend this concept, have your child name the place value of each digit. In addition, with two or more players, you can compare whose number is bigger or smaller.**

* Cook with your child and discuss volume, measurement and fractions. For example, when cutting fruit, vegetables, or even chocolate cake discuss equal parts such as halves, quarters and, thirds.

*** Tell time on a clock. Discuss how much time will have elapsed between now and 30 minutes, 42 minutes, and 60 minutes. Continue this activity changing the amount of elapsed time.**

Parent Support Links

ASD parent resources: Homework help, "Do Anytime Activities", and thinkcentral support.

Parent Road Map: 3rd Grade: Supporting your child in 3rd grade mathematics.

Keep math fun!

Think out loud!