

Math Resources

The following math information and resources will support your child's learning throughout their school year.

How to Help Your Child With Math:

1. Create a homework routine

Familiar routines help work go smoothly at school and at home. With your child, decide on a time and place to do homework.

2. Ask your child to explain

Encourage your child to teach you the day's math lesson using the problems from the homework assignment. Ask questions about the steps your child uses to solve a problem.

3. Use questions to help

Although it's tempting to give children answers when they're confused, they learn more if you help them discover the answers for themselves. Try asking questions like: Have you seen problems like this before?

4. Play math games

Games your child learns in school, store-bought games, or online websites that involve mathematical thinking will help your child master skills.

Math Websites:

1. Middle school students can work on math goals using Compass Learning:

<http://www.learningodyssey.com/>

2. The website all students love:

<http://www.coolmath-games.com/>

3. A great website for multiplication practice:

<http://www.mathplayground.com/games.html>

4. Logic and problem solving games that support algebraic thinking:

<http://solveme.edc.org/mobiles/>

Math Apps

1. Lobster Diver (iPhone)

Building number sense using number lines

2. KenKen (iPhone)

Builds number fluency

3. Bed Time Math (iPhone or Android)

Building number sense using number lines

Games:

1. Addition War

Played with a partner, each person turns over two cards and finds the sum. The person with the larger sum keeps all the cards. Game continues until one person has all of the cards. Can be done with multiplication, too.

2. Cover All

A game which integrates multiplication as repeated addition. The students roll two number cubes and find the product by coloring in squares on their board. The first person to fill their grid wins.

3. 10 Questions - Guess My Number

Using a deck of cards, pull two cards to make a two digit number. The other players have ten yes-or-no questions to guess the number using math questions such as, "Is it even?", "Is it a multiple of 3?".

4. Turn and Round

A partner game which practices rounding to the nearest ten. Each player takes two cards from the deck and then rounds their number to the nearest ten. The player with the larger number when rounded takes both sets of cards.

5. Integer War

Played with a partner, each partner turns over one card, and both players try to find the sum. Black cards are positive numbers, and red numbers are negative. The first person to find the correct sum wins the cards. Game continues until one person has all the cards.

Where do I get materials to play math games?

You can create math games with any household materials, be creative!

Have students *make* addition, multiplication, or subtraction flashcards using white paper and crayons. Students can also create their own deck of cards by writing the numbers 1 through 12 on paper cut into smaller rectangles.

The dollar store has dice and decks of cards for \$1.

How to Help Your Middle School Child Succeed in Math

Have a positive attitude about math. NEVER tell your child that you hate math (even if you do)

Make sure that your child is completing his/her math homework EVERY night

Ask your child what they are learning about in math class

When shopping with your child, have them estimate the total cost including tax. Once you pay, have a discussion about why their estimate was over/under the actual amount.

Do logic puzzles and/or Sudokus with your child

Discuss the ways in which you use math in your everyday life with your child

Keep in touch with your child's math teacher. Ask him/her if there is anything you should be doing with your child at home.

Study with your child

Have your child teach you how to do their math homework

When you're in the car, have your child estimate how long it will take to get to your destination

Go out to eat and have your child calculate the tip

