



MATH MATTERS



Resources and Ideas for Families

WELCOME!

This newsletter is sent home to families every nine weeks. It provides information on what your child is learning in math, activities you can do at home to reinforce the content, and suggestions for books and resources you can use to help your child learn math.

BUILDING A MATHEMATICAL COMMUNITY

Student Collaboration

Collaborative learning gives the responsibility of the learning to the students by using groups and pairs of students to fulfill a task or assignment within the classroom. The Common Core Math Practice Standard 3 calls for students at all grades to listen or read the arguments of others, decide whether they make sense, and ask useful questions to clarify or improve the arguments.

Within a Collaborative Group:

- Students are invested in their own learning.
- Learners actively participate.
- Teachers become learners at times, and learners sometimes teach.
- Respect is given to every member.
- The project/question should be of interest and challenging to students.
- Diversity is celebrated and all contributions are valued.
- Students learn skills for resolving conflicts when they arise.
- Members draw upon their past experience and knowledge.
- Goals are clearly identified and used as a guide.
- Tools such as manipulatives or calculators are made available.



Check out this great website for generating math word problems!

<http://gregtangmath.com/wordproblems>

MATH IS FUN!

Check out the **MATH IS FUN** website which contains resources to help children learn math. Here you will find "How to Videos", Online Games, Vocabulary, and APPs related to the content your child is learning.



www.jcpsmath.weebly.com

During the 3rd nine weeks, Second Grade students learn to:

- **Use addition and subtraction strategies to solve one- and two-step word problems within one hundred.** For example, Patrick has 27 stickers. Brandon has 34 stickers. If they put their stickers together, how many more will they need to have 100 stickers? This problem is a two-step problem because students must first add the two numbers together and then figure out how far it is to 100.
- **Add and subtract within 1000 using models, visuals, and strategies.** Students may use place value blocks, number charts, place value drawings or other strategies to solve problems.
- **Add up to four two-digit numbers.** For example, $36 + 42 + 50 + 25 = ?$
- **Partition a circle or a rectangle into the same size parts and describe the equal parts as halves, thirds or fourths.**
- **Draw a picture graph or a bar graph to represent a given set of data.** Students will be asked to solve data problems in graphs using addition and subtraction.
- **Skip count using 5's, 10's, and 100's up to 1000.** Second graders need to be able to start at another number besides 1 and skip count to a given number. For example, a child should be able to count by tens starting at 120 and go to 250.



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Activities to Try at Home:

- Allow your child the opportunity to practice partitioning rectangles into equal size pieces. For example, if you are making brownies, allow your child to assist in cutting them (with a dull knife! Safety First!). Use paper and have your child fold it into equal size pieces. Have your child describe the pieces as halves, thirds or fourths.
- Continue to practice addition and subtraction facts with your child. It is very important that he or she can quickly and correctly recall basic math facts.
- Collect data with your child and create a way to represent the data. For example, you could collect weather data such as sunny days, cloudy days, and rainy days and track the information on a calendar. After collecting the data, ask your child to look at the data and share what they notice. Also, ask questions like, "Were there more cloudy days or sunny days? How do you know?" Have your child come up with his/her own questions to ask about the data.
- Practice counting by 5s, 10s and 100s with your child all the way to 1000. Start at numbers other than 1. For example, ask your child to count by 10s starting at 750 all the way to 1000.

Check Out These Books!

Below are some suggested books which connect to math content students are learning this cycle.

- *The Great Graph Contest* by Loreen Leedy
- *Math for All Seasons* by Greg Tang
- *Let's Graph* by Lisa Trumbauer
- *The Grapes of Math* by Greg Tang
- *Math-terpieces* by Greg Tang
- *Mall Mania* by Stuart J. Murphy
- *The Mission of Addition* by Brian P. Cleary
- *The Action of Subtraction* by Brian P. Cleary
- *Equal Schmequal* by Virginia Kroll



MATH TASK

Saving Money

From: *Illustrative Mathematics*

Louis wants to give \$15 to help kids who need school supplies. He also wants to buy a pair of shoes for \$39.

- How much money will he have to save for both?
- Louis gets \$5 a week for his allowance. He plans to save his allowance every week. How many weeks does it take him to reach his goal?
- Louis remembers his sister's birthday is next month. He sets a goal of saving \$16 for her gift. How many weeks does he have to save his allowance to reach his goal? How many weeks does he have to save his allowance for all three of his goals?

Solutions:

A. \$54 B. 11 weeks C. 4 weeks; 14 weeks

