



VERNON PUBLIC SCHOOLS

Office of Curriculum and Instruction
30 Park Street P.O. Box 600
Vernon, Connecticut 06066-0600



Dear Parent/Guardian,

There are several ways for your son or daughter to review, maintain, and deepen the skills and concepts learned in the six strands of mathematics: Operations & Computation; Numeration; Patterns, Functions & Algebra; Data & Chance; Measurement & Reference Frames; and Geometry over the summer.

We believe that students' knowledge of math facts is very important to their success in mathematics. A summer math facts calendar is attached. Please mark the calendar for each day your child spends 5-10 minutes practicing their math skills and facts. Options for practicing facts include flashcards, computer websites, and paper-pencil activities. Practice worksheets will be available @ <http://www.vernonschools.com/>. **CALENDARS NEED TO BE RETURNED DURING THE FIRST WEEK OF SCHOOL.**

There are many websites to help, here are a few fun websites that we recommend for math fact practice:

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

<http://www.mathfactcafe.com>

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

<http://www.mrnussbaum.com/mathcode.htm>

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

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

Students may also access the Everyday Mathematics online games and family resources. The Everyday Math Online Site brings the most popular games from the *Everyday Mathematics* program to the computer! Games are an integral part of the *Everyday Mathematics* program and are intended to review, maintain, and deepen the skills and concepts learned throughout the year. Students can access the site @ <https://www.everydaymathonline.com/>.

Your child's teacher will provide you with a card with your student's individual log in and password to access the online games over the summer.

Also, optional Summer Math Packets will be available for your child to work on over the summer. These packets are available at your child's school and are also available online @ <http://www.vernonschools.com/>. Answer keys will be provided so that you may help your child with the packets.

GRADE LEVEL NUMBER AND FACT GOALS:

Students going into Grade 1:

Count by memory to 100

Identify the numbers 1-30 and match each number to an appropriate set of objects.

Students going into Grade 2:

Count by memory to at least 100.

Identify, read and write numbers to 100.

Be able to add and subtract within 10.

Students going into Grade 3:

Students know how to add and subtract facts within 20, and know from memory sums of one-digit numbers.

Students going into Grade 4:

Students know all addition and subtraction facts up to $18+18$ and multiplication facts for 0,1,2,5,10 by memory.

Students Going into Grade 5:

Students know all multiplication and division facts up to 10.

Students going into Grade 6:

Students know all multiplication and division facts up to $12*12$.

RETURN CALENDAR DURING THE
FIRST WEEK OF SCHOOL

NAME: _____

July 2011

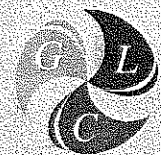
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

RETURN CALENDAR DURING THE
FIRST WEEK OF SCHOOL


NAME: _____

August 2011

Sundav	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



10 Ways To... Practice Math Facts

1. **Dice & Domino Equations-** Dice Equations: Give your child two dice  to roll and make an addition or multiplication problem with the numbers on the dice. Domino Equations: Put several dominoes in a brown lunch sack. Have your child pull a domino out of the bag and make an equation from the numbers on either side of the domino. You may choose to have your child write the equations on a piece of paper so you can check them later.
2. **Math War-** Remove the face cards from a regular deck of playing cards. Shuffle the cards and place them face down between two or more players. Each player chooses two cards and adds or multiplies the numbers on the cards. The player with the highest answer takes all of the cards. If the numbers are the same, both players choose two more cards and the player with the highest answer takes all the cards.
3. **Magnetic Number Facts-** Supply your child with a package of magnetic numbers and a cookie sheet. Call out a math fact and have your child replicate the math fact on the cookie sheet with the numbers. To make homework more interesting, have your child do math homework problems using the magnetic numbers.
4. **Mathematical "I Spy"-** While driving down the road, have your child find numbers on signs, storefronts and vehicle tags. Make addition, subtraction or multiplication problems with the numbers.
5. **Equation Concentration-** Create a Math Memory game with twenty 3"x5" cards. Write equations on ten index cards. On the other ten cards, write the corresponding answers to the questions. Shuffle and place the cards face down on the playing surface. The first player chooses two cards. If they match, he keeps both cards and chooses again. If they do not match, then he puts the cards back and the next player chooses. Play continues until all of the cards are chosen. The player with the most cards wins.
6. **EGG-celent Equations-** Recycle a used egg carton and two beans for this basic fact review. Write the numbers 1-12 in the bottom of each egg compartment. Get two beans and place them inside the egg carton. Shake the closed carton and have the child make an addition or multiplication equation from the numbers on which the beans land.
7. **Beach Ball Math-** With a black marker, draw lines on a beach ball. Separate each colored section into two or three more sections. In each section, write a number 0-10.

Throw the ball to your child. When he catches the ball, have him look at the number written in the section where his thumbs landed. He then adds, subtracts or multiplies those two numbers.

8. *Grocery Math Game*- While shopping in the grocery store, have your child solve math problems by comparing the labels on different products. For example: How much more sodium does this soup have than that soup? How many more fat grams are in these cookies than those cookies?

9. *Baseball Card Comparison*- Collect several baseball cards and ask your child questions based on the information for each player. For example: How many more runs did one player have than another? What was the difference in their ERA's?

10. *Newspaper Math*- Have your child look through a newspaper out as many numbers as she can find. Give her a piece of paper and have her choose two numbers. Glue the numbers blank page, insert an addition, subtraction, multiplication or sign in the middle of them, and solve.



and cut blank onto the division

Here are some other ways to learn your math facts and sharpen your math skills. Try these ideas out.

1. Start small. Using few flash cards lets you see when and where a learner has success. Start with easier facts and move up to the more difficult.
2. Offer help and avoid struggle. If you child does not know an answer by the time you count to 4 slowly in your head, tell them the answer and have them repeat the entire math fact aloud to you.
3. Keep your sessions short. Repeating something three or four times in short and fun sessions gets better results than one long session.
4. Math it fun! Try some games with math facts or find an Internet site that has some fun math games.
5. Always end with success!!!!