

Helping your child in Math

Parents can help their children by working with math facts: addition, subtraction, multiplication and division. Concentrate mostly on addition and multiplication and throw in some subtraction and division from time to time.

Addition Facts

Students should *already know* these by the beginning of 4th grade, but some students forget these over the summer. Students who know these facts will be ahead of the game!

Start off with addition of double numbers (ie: 2+2, 3+3, 4+4 ... 9+9).

Next, vary these by 1 off (2+3, 3+4, ... 8+9),

then by 2 off (2+4, 3+5, ... 7+9, 8+10, 9+11). , then try 3 off and 4 off.

Be sure to hit the 9 trick: (9+7=6-teen, 9+3=2elve ie: whatever is added to 9 is one number less + 10). Also, reinforce adding 10's (ie: 4+10 = 14, 24+10 = 34)

Multiplication Facts

All students will need to know their multiplication facts **COLD** when they return from their Thanksgiving vacation. Mr. Shapero tests his class on these at that time. Here's some helpful information to get your child started. After the first grading period, most everything we study will require a good working knowledge of multiplication facts.

Do you know the 9's complement trick? $9 \times 6 = 54$ $9 \times 7 = 63$ the product begins with 1 less than the factor which is being multiplied by 9 AND the other number, when added to that = 9. Ex: $9 \times 8 = 72$ 7 is one less than 8, and when you add 7+2 they equal 9. Begin working with the multiplication tables in this order:

10, 5, 2, 9, 11, 3, 4, 6, 7, 8, 12.

The **GREAT NEWS** about memorizing your multiplication tables is that it has a pyramid effect. When you learn the easy ones first you already know many of the harder ones. For example, by the time you get to the 3's table - you already know 3×10 , 3×5 , 3×2 , 3×9 , and 3×11 . By the time you get to table 6, you only have 4 facts to memorize, and by the time you get to 12, you only have to memorize 12×12 .

Any drills on the Computer? YOU BET!

Visit Mr. Shapero's website: www.SteveShapero.com

Click on Student Links, then click on Math Page.

Try the Multiflier – Math Fact Fun program.

Also, for addition drills: Click on "A Variety of Math Drills on the Web"

Next, click on "Addition", then click "Third" under Grade School Levels, then click on Addition again, then click on "Review of Addition Facts." Click on "Practice" or on "Play."

Also, check out "Fun Brain." You can also find multiplication drills on this website and under my Math Page site. EXPLORE!