

Dear Parents,

It is a long time between now and the fall. During summertime students forget a portion of what they have learned during the school year. It is common practice for teachers to review last year's concepts when students return from summer break. However, students who practice their skills over the summer will be able to learn new concepts more quickly.

In preparation and readiness for next year, I would like students to review math curriculum and read during the summer before they return in August. A separate letter explaining our summer math program is included in your package. Students should enter 5th grade able to add, subtract, multiply and divide to twelves. Listed below are concepts which can help your child review and retain *what they have already learned*:

- Students know the **place value** of whole numbers and decimals to two decimal places
- **Read and write** whole numbers in the millions (1,596,282 is one million five hundred ninety-six thousand two hundred eighty two)
- **Round** whole numbers through the millions to the nearest ten, hundred, thousand, ten thousand, or hundred thousand (868,879 rounded to the nearest ten is 868,880 to the nearest hundred is 868,900 to the nearest thousand is 869,000 to the nearest ten thousand is 870,000 and to the nearest hundred thousand is 900,000)
- **Solve** problems involving **multiplication** of multi-digit numbers by two-digit numbers (9,475 x 22)
- **Solve** problems involving **division** of multi-digit numbers by one-digit numbers (976 divided by 8)
- **Write the fraction** represented by a drawing of parts of a figure; represent a given fraction by using drawings; and relate a fraction to a simple decimal on a number line. ($\frac{1}{4} = 0.25$ $\frac{1}{2} = 0.5$)
- Draw a number line and show positive fractions, positive mixed numbers, and positive decimals to two decimal places
- Know that many whole numbers break down in different ways ($12 = 4 \times 3 = 2 \times 6 = 2 \times 2 \times 3$)
- Be able to measure an objects length to the nearest inch, half inch and quarter inch
- Understand area (area = length x width) of rectangular shapes – recognize that rectangles with the same area can have different perimeters AND that rectangles with the same perimeter can have different areas.
- Be able identify lines that are perpendicular (+) and parallel (=)
- Be able to identify the radius and diameter of a circle
- Use estimates to check if an answer is reasonable
- Use tables and charts to display information

Review time does not have to be dull. There are many fun music CD's that have a review of multiplication and division facts. You can have fun measuring things. Imagine taking a small tape measure with you on vacation (or anywhere) and measuring how long the line is, how long someone's arm is ... the possibilities are endless. There are many ways you can turn math review time into a game.

Please make sure that you also complete the on-line summer math program and the cereal box book report for reading. I will collect the cereal box on the first day of school.

The 2011-2012 school year will be here before you know. Make sure that you take some time to enjoy your summer vacation and rest. Come back to school refreshed and ready to work! I am looking forward to sharing the 5th grade with all of you!

Praying for peace,
Mrs. Fondacabe