Welcome to Fifth Grade at Legacy Traditional School,

Parents, the fifth grade team would like to thank you for enrolling your student in our school. We plan on having a great year and look forward to meeting you and your student. We would like to give you a quick look at the math concepts that your student will be learning next year, as they will be learning math at a sixth grade level. We hope by providing a list of key concepts your student will be able work on them over the summer. We have also listed some resources that you can use to create worksheets or find fun lessons to use to help your student. In addition to the few key concepts, we have provided some projects and curriculum information that your student will be responsible for completing this next academic year. Again thank you for choosing Legacy for your student's continued academic growth.

Fifth Grade Team

# Key Math Concepts

- **Basic Math Vocabulary** – Students will be working with word problems everyday and it is important for them to understand the vocabulary that is used. Please review the list and their meanings. (sum, difference, product, factor, multiple, ratio, quotient, average, range, mean) *If you are unsure regarding any of the definitions please use the website below.*

- **Multi-step word problems**
  *The fifth grade needed to find out which class read the most books. Room 16 has twenty-five students in their class and each student read 5 books. Room 19 has twenty-four students in their class and each student read 6 books. Which fifth grade class read the most books?*
  *Write the number sentence to solve the problem? 25 × 5=, 24 × 6=, 144-125=*

- **Measurement Conversions** (converting metric units, meters, cm, km, customary units, feet, inches, yards and miles)

- **Fractions** (understand the parts, numerator and denominator, able to reduce, add and subtract, equivalent fractions)

$$\frac{24 \div 2}{40 \div 2} = \frac{12}{20}$$

$$\text{or } \frac{24 \div 4}{40 \div 4} = \frac{6}{10}$$

$$\text{or } \frac{24 \div 8}{40 \div 8} = \frac{3}{5}$$



$$\frac{1}{4} = \frac{2}{8} = \frac{4}{16}$$
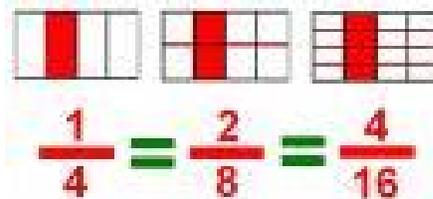
| | EXAMPLES: |
|---|---|
| To add fractions with different denominators, you must first change both denominators to be the same. | $\frac{1}{2} + \frac{1}{4}$   *change the* $\frac{1}{2}$ *to* $\frac{2}{4}$   *then add:* $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$ |

| | $\frac{3}{8} + \frac{1}{4}$  *change the*  $\frac{1}{4}$  *to*  $\frac{2}{8}$  *then add:*  $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$ |
|---|---|
| | |

Decimals are numbers that contain a "DECIMAL POINT", like:

**1.5          2.8          .2          3.14               66.66**

The number to the left of the decimal point is an ordinary whole number. The number to the right of the decimal is called the "tenths" digit and tells you the number of tenths (1/10's) that are added to the whole number to the left of the decimal point. So...

**2.8 is the same as the mixed number**      $2 \text{ and } \frac{8}{10}$ , or $2\frac{8}{10}$

**.2 is the same as the mixed number**      $\frac{2}{10}$

# Projects/Curriculum Notes

Each student will be responsible for completing a book report and a poem recitation for each grading period.  They will get a packet at the beginning of each period that will give them more information regarding these projects.

**Spalding** is the phonics program taught at Legacy. It is different than what is taught in many other school systems.  If you would like more information regarding the program the front office has a packet that you can pick up that will give you a preview of what your student will be learning.  We will also be posting the packet online at www.legacytraditional.org so you will be able to access it there as well.

**Math Facts** are an important part of our students' education.  They will take monthly testing for addition, subtraction, multiplication, and division.  These tests are 100 problems and they are timed. *(Over the summer is a great time to purchase flash cards and have your student practice with them.)*

**Science Fair Project** – Each student is responsible for completing an individual science fair

project in the spring.  An informational packet will go home with more details.

http://www.mathisfun.com/                               http://www.superkids.com/aweb/tools/math/

http://www.mathfactcafe.com/                        http://www.marthalakecov.org/~math/FDMENU.HTM

http://www.superteacherworksheets.com/
http://www.math.com/school/glossary/glossindex.html