5th Grade Summer Math Review 2014-2015

Students entering 5th grade are expected to be comfortable with the following math skills. If your child is not there, I highly recommend work on the areas of weakness.

1. Read and write numbers to 1,000,000

2. Know place value to 1,000,000

3. List first twenty multiples of any given one-digit number

4. Prime numbers

5. Add, subtract, multiply, and divide whole numbers, fluent and accurately.

6. Divide numbers up to four-digits by one digit numbers and by 10.

7. Use relationships between multiplication and division to check results and to find values of unknowns in an equation.

8. Locate the decimals in tenths and hundredths in a number line.

9. Read, write, interpret, and compare decimals up to two decimal places (hundredths).

10. Convert decimals in tenths and hundredths to faction and decimal forms.

11. Write improper fractions as mixed numbers and mixed numbers as improper fractions.

12. Compare and order up to three fractions with denominators 2, 4, and 8; 3, 6, 12

13. Add and subtract fractions

14. Add and subtract decimals up to 2 decimal places

15. Multiply and divide decimals up to 2 decimal places by a one-digit whole number.

16. Measure area and perimeter for compound shapes (complex figures).

17. Calculate conversions from one unit to a larger or smaller unit of measure: meters to centimeters, kilograms to grams, etc.

18. Identify and draw perpendicular, parallel, and intersecting lines.

19. Find the side of a square or a rectangle given its perimeter or area.

20. Identify basic geometric shapes including isosceles, equilateral, and right triangles.

21. Identify and count faces, edges, and vertices of basic three-dimensional solids including cubes, rectangular prisms and pyramids.

22. Recognize plane figures that have line symmetry.

23. Construct tables and bar graphs from given data.

24. Find the median and range of a set of data.