

5th Grade Math
Mrs. Vonnahme – Room 9



Goals: (what we learn)

Numbers and Operations

- Numeration through the hundred trillions place and decimals Adding and subtracting whole numbers and decimals
- Adding, subtracting, multiplying and dividing decimals
- Adding, subtracting, multiplying and dividing Improper fractions and mixed numbers
- Factors, multiples and divisibility
- Comparing, ordering, adding, subtracting, multiplying and dividing integers
- Ratios, rates and proportions
- Percents

Measurement

- Perimeter and area
- Customary and Metric units

Geometry

- Characteristics of shapes (sides and angles)
- Properties of two dimensional figures
- Volume and surface area

Algebra

- Order of operations
- Properties of numbers
- Solving and writing equations and inequalities (with variables)

Data Analysis and Probability

- Graphs (bar, picture, stem and leaf, line, circle and histograms)
- Mean, median, mode and range
- Probability

Instructional Strategies: (how we learn)

Direct Instruction (lecture and note taking)
One on One Instruction
Varying forms of technology (visual animations, on line problem solving, etc)
Guided Practice
Independent Practice
Cooperative group activities
Interactive Manipulatives

Resources: enVisionMath 2009 textbook and supplemental materials

Assessment:

There will be quizzes and tests throughout the topics and at the end of most sections. Although these make up the majority of students' grades, completion of homework and class work are essential for student success. These activities will often be graded but at the very least will always be checked for completion.

Math Lab:

Students in need of additional help may come in during their REC time. They are also welcome to come in before and after school when proper arrangements have been made.

Homework:

Students can expect to have about 20 minutes of homework per night, except on Fridays (homework may occasionally be necessary). Work should be completed in a math notebook and brought to class daily. Often times students will be given time during class to work on their work so that they may ask questions if necessary. All homework will be posted daily on STI.

The Bridge between home and school:

- Ask your child about their math lesson that day. If they can explain it then they probably truly understand it.
- Check the assignment notebook and make sure that your child's homework is complete
- Check STI for homework and grades
- Visit our 5th grade website for important information and updates
- We all use math every single day to discuss weather, money, daily activities and a plethora of other things. Talking to your kids about how you use math will motivate and challenge them.

Math is all around us. That's exciting!