7ᵗʰ Grade Math

Class Expectations:

- ✓ Come to class prepared and ready to learn.
- ✓ Complete assignments on time.
- ✓ Show your work.
- ✓ Follow all classroom and school rules.
- ✓ If you need help, ask.
- ✓ If you miss class, it is your responsibility to get your missing work.

Grading Policy:

Daily Work/Quizzes – 50%
Late Policy: If an assignment is not turned in when it is due, 10 points will be deducted for each day it is late.
Tests – 50%
Any student scoring below a 70 on a **test** is allowed to make corrections. Corrections will be done during morning tutorials or activity period. Students have 5 school days after the test is returned to complete corrections and schedule a retest.

Class Supplies:

- ✓ Folder with brads
- ✓ Composition book
- ✓ Pencils
- ✓ Expo markers (for student use)
- ✓ Markers/colored pencils

Discipline Policy:

- ✓ First Offense – Verbal Warning
- ✓ Second Offense – Contact parent/guardian and morning detention with Mrs. Patek
- ✓ Third Offense – Office Referral

Junior High classes are 45 minutes and move at a faster pace. Please be prepared to work on assignments outside of the classroom. If you need help, please come see me during morning tutorials or activity period. Videos for each lesson will be uploaded in Google Classroom, so you can utilize them on days you are absent or when you want to review a lesson we covered in class.

Mrs. Jennifer Patek

patekj@shinerisd.net

361-594-3131 x 812

Conference: 2:39 p.m. – 3:25 p.m.

Tutorials: 7:20 a.m.

The following math concepts will be covered throughout the year:

- **Numbers and Operations:** Students will add, subtract, multiply, and divide rational numbers fluently in mathematical and real-world situations. Students will also be able to describe relationships between sets of rational numbers.
- **Equations and Inequalities:** Students will model, write, and solve two-step equations and inequalities. Students will also represent solutions on a number line and determine if a solution is part of the solution set.
- **Proportionality:** Students will calculate the unit rate, convert between measurement systems, and solve problems involving ratios, rates, and percents.
- **Linear Relationships:** Students will represent proportional and non-proportional linear relationships and determine the constant of proportionality.
- **Plane Geometry:** Students will solve problems involving similar shapes and scale drawings. Students will also find the circumference of circles, area of circles, and determine the area of composite figures. Additionally, students will apply their understanding of solving equations to geometry concepts.
- **Surface Area:** Students will apply the area of composite figures to solve problems involving lateral and total surface area of rectangular prisms, triangular prisms, rectangular pyramids, and triangular pyramids.
- **Volume:** Students will solve problems involving the volume of rectangular prisms, triangular prisms, rectangular pyramids, and triangular pyramids in mathematical and real-world situations.
- **Probability:** Students will make predictions and comparisons for both simple and compound events, including experimental and theoretical probabilities. Students will also represent sample space and determine the probability of a simple event and its complement.
- **Data and Statistics:** Students will use data from a random sample to make inferences and compare two populations. Students will also compare numerical data from dot plots and box plots. Additionally, students will solve problems involving bar graphs and circle graphs.
- **Financial Literacy:** Students will calculate sales tax, income tax, the percentage a category comprises of a total budget, simple interest, and compound interest. Students will also create an assets and liabilities record and construct a net worth statement. Additionally, students will determine a minimum household budget and compare monetary incentives.

I am looking forward to a successful year. If you have any questions, please do not hesitate to contact me via phone or email. I would be happy to meet with you during my conference time to discuss any concerns you may have.

Sincerely,

Mrs. Jennifer Patek