

# 7th Grade Math

## Course Outline 2025 - 2026

Room 23

Instructor: Angie Jackson - [ajackson@tokyoips.com](mailto:ajackson@tokyoips.com)

### **Course Description and Objectives**

The goal of this class is to develop the students' knowledge of the set of rational numbers and the basic arithmetic operations with whole numbers, the decimal system, fractions, percentage, integers, number theory, solving simple equations, measurement, and geometry.

### **Anticipated student outcomes:**

The seventh grade curriculum builds upon the concepts previously mastered in the sixth grade. Mastery of the following units is expected:

#### **Ratios and Proportional Relationships**

- Analyze proportional relationships and use them to solve real-world and mathematical problems.

#### **The Number System**

- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

#### **Expressions and Equations**

- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

#### **Geometry**

- Describe the relationships between the diameter, circumference and area of a circle.

### **Student Assessment**

Student's final grades will be assessed as follows:

#### **Category 1: The 6 P's = 10%**

- Are you in a **Positive** attitude and ready to start class.
- Are you **Pleasant**, approaching the class with an open mind.
- Are you behaving **Polite** towards your classmates, instructor, and yourself.
- Are you **Prepared** for class each day with the required materials.
- Are you **Punctual** to class, on time and ready to work.
- Are you being **Productive** with the time given for this class.

#### **Category 2: Quizzes = 20%**

**Category 3: Daily Work = 25%**

**Category 4: Project = 25%**

**Category 5: Tests = 20%**

**Class Policies**

*All TIPS policies as outlined in the Student Handbook will be respected.*

**Presentation counts.** Students must demonstrate proper care for their work.

**Come to class prepared.** You are expected to bring the necessary materials.

**Handle all supplies and materials with respect.** All students are responsible for setting up and cleaning up materials and tools every day.

**Respect others and their work.** Everyone will be considerate of each other's opinions, space, and work.

**Electronic Devices** are not allowed in class unless the teacher gives special permission.

**Projects must be turned in on time.** Turning in work late will affect your grade.

We have reviewed this syllabus and we understand all course policies.

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Student Print Name Grade

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Student Signature Date

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Parent / Guardian Signature Date