

# January



7<sup>th</sup> & 8<sup>th</sup> Grade Math + Algebra

## What We Are Learning

7th Grade - Student will calculate circumference and area of a circle and be able to explain the difference. Also, they will calculate the area of rectangles, triangles, parallelograms, and trapezoids.

7th Honors - Students will explore the real number system, scientific notation, data variability with MAD, scatterplots, angle measurement, the Pythagorean Theorem, circle formulas, and surface area of 3D figures.

8<sup>th</sup> Grade - Students are exploring angle relationships and the Pythagorean Theorem. They're building problem-solving skills with diagrams, right triangles, and real-world applications.

Algebra - Students are learning about polynomial operations and factoring.

## Talk About Learning

7th Grade - Look for different circular objects around your home. Consider items such as cake pans, shirt buttons, cookies, and the lids on canned foods. Determine the area and circumference of these objects.

7th Honors - At home, students can practice math by using everyday objects to explore numbers, angles, circles, and shapes, encouraging family conversations and helping parents support real-life math learning.

8<sup>th</sup> Grade - Ask your child about angles and triangles: Which angles add to  $90^\circ$  or  $180^\circ$ ? How do parallel lines affect angles? Can they use the Pythagorean Theorem in real life?

Algebra - Ask your child to show how they add, subtract, or multiply polynomials. Can they factor expressions or explain why factoring helps solve equations?

## Upcoming Events

Friday Quick Checks (FQC) - every Friday

1/15 - Algebra Quiz

1/29 - 7<sup>th</sup> Grade Mid Unit Quiz

1/29 - 8<sup>th</sup> Grade Unit 6 Test

2/4 - Algebra Unit 6 Test

## Important Reminders

Students should bring binders, pencils, and notes to class daily. Grades are updated weekly, please train students to check their grades weekly to get into the habit of having conversations with teachers about any concerns they have.

## Help!

We are in need of: tissues, pencils, notebook paper & hand sanitizer.

## Tutoring Help!

Math tutoring is offered is offered Monday, Tuesday, Thursday & Friday's from 7:30-7:50.

