

# Math with Ms. Pysher



On March 14th we celebrate Pi Day! We'll see that no matter the size of a sphere, big and small, you can divide the circumference by the diameter and you will always get 3.1415...!! Fun fact, it's also Albert Einstein's birthday.

For the 7th graders we are working on Chapter 4 which is all about Proportional Relationships. This includes Ratios, Unit Rates, Scale Drawings, Solving Proportions, Similar Polygons and Constant of Proportionality. Chapter 5 will be next and will be all about Percents. We'll convert between Fractions, Decimals and Percents, solve Percent problems using Proportions and Equations, solve for Simple Interest and find the Percent of Change. Chapter 6 will cover Geometry with different types of Angles, Area of Parallelograms and Triangles, and Circumference and Area of Circles. Lastly, Chapter 7 will focus on Surface Area and Volume. We'll find all the components of Three-Dimensional Figures, find Surface Area and Volume of Prisms and Cylinders and Cross Sectioning.

In 8th grade we are finishing up our Chapter 5 on Systems of Equations which went very well. We learned about the three different ways to solve a system of equations and how to deal with infinite and no solutions. Chapter 6 is our next chapter which will cover Exponents and Scientific Notation. We'll learn how to find the power of a power, simplify negative Exponents and multiplication and division of Exponents and Scientific Notation. Chapter 7 will be all about Geometry. Types of Angle Pairs, the Angles that Parallel Lines create, Congruent and Similar Polygons and finding missing angles in Polygons. Our last is Chapter 8 on Transformations. The different types of Transformations are Translations, Reflections, Rotations, and Dilation. This should take us through to the end of the year.

My extra help is available on Thursdays from 2:15 to 3:15. If you have any questions please feel free to email me at [pyshera@blessedsacramentholyoke.org](mailto:pyshera@blessedsacramentholyoke.org). Thank you for your continued support and together we'll have a great end of the year.

Best wishes,

Arline Pysher