



Course Name	HuaXia Math Enrichment 5
Teacher	Jun P. Tang, Xin Tian Yu
Email	junsmobile@yahoo.com, jasmri@gmail.com
Duration	1.0 hours a week, 2 semesters
Students	5 th – 6 th grade
Pre-requisites	Basic arithmetic, or 4 th Grade Math,
Prepare for	HuaXia Math Enrichment 6, CBE (Credit By Exam)
Description	This course will introduce the concept of negative numbers and absolute values. Students will also learn fractions, decimals, percentage, and conversion between these different number forms. The course will help the students to have a clear understanding of repeating decimals and rational numbers and lay a solid foundation for their future learning in real numbers, HuaXia Math 6 and Pre-Algebra.
Contents	<ul style="list-style-type: none">• Signed numbers and number line• Mirror image and inversion operation• Sign rule and operations of signed numbers• Concept of absolute value• Expressions with absolute values• Operations of decimals• Repeating decimals and rational numbers• Fractions and the simplest form• Comparison of fractions• LCM (Least common multiple) and GCF (greatest common factor)• Operations of fractions• Line, angle, and classification of polygons• Calculation of area and volume• Plotting and analyzing patterns by plots

