

Deciding Between Math 7 or Math 7 Honors

Math Class	Recommended Background	Expected Mathematical Skills
<p>Math 7 The seventh-grade math standards continue studies from grade six to emphasize the foundations of prealgebra.</p>	<p>The successful completion of 6th grade math</p> <p>Completes the “Math 7” summer math packet.</p>	<ul style="list-style-type: none"> • Operations with whole numbers, integers, fractions, mixed numbers and decimals (adding, subtracting, multiplying, dividing) • Long division • Place value of decimals (tenths, hundredths, thousandths, etc.) • Identify basic polygons • Understand measures of central tendency (mean, median, mode, range) • Probability of simple events (picking a card, rolling dice)
<p>Math 7 Honors The Math 7H standards build the concepts needed for success in high school level algebra, geometry, and statistics.</p> <p>Math 7H follows the prealgebra (math 8) curriculum and students will take the Math 8 SOL</p>	<p>Mostly 4’s in previous math courses</p> <p>The successful completion of Advanced Mathematics 6 or a year-long accelerated mathematics course (while this is a recommendation, it is not a requirement)</p> <p>Pass advance on all previous math SOLs (500 or above)</p> <p>Completes the “Math 7 Honors” summer math packet with understanding</p>	<ul style="list-style-type: none"> • Integer, fraction, decimal, percent math sense (ordering, calculating, converting): a) investigate and describe the concept of negative exponents for powers of ten; b) compare and order numbers greater than zero written in scientific notation; d) determine square roots of perfect squares; and e) Identify and describe absolute value of rational numbers • General understanding of consumer math (tax, tip, discount) • Proportional reasoning • Able to solve 2-step equations and graph one-step inequalities • Students should be comfortable representing linear functions as equations ($y = mx$ or $y = x + b$), tables of values, graphs and words • Foundation of geometry: polygon vocabulary • Understand measures of central tendency (mean, median, mode, range) • Probability of an independent event
<p>Is your child ready for Math 7 Honors</p>	<p>Ask yourself if your child:</p> <ul style="list-style-type: none"> • Is highly interested in any mathematical problems and seeks those that pose a challenge? • Has excellent attendance and completes homework, class work and other assignments in a timely manner? • Has developed organizational and time management skills? • Completes most of their homework without additional help? • Contributes insightful and salient points to class discussions about problems? • Is prepared to learn and use effective strategies for approaching any mathematical problem? • Is an independent learner who is eager to improve their skills? • Responds well to constructive criticism • Can manage the accelerated pace of the mathematics curriculum? • Will be ready to take the math 8 SOL as a 7th grade student? 	
<p>Does your child qualify for Algebra I Honors?</p>	<p>To qualify for Algebra 1 Honors, students must have</p> <ul style="list-style-type: none"> • completed Advanced Mathematics 6 or a year-long accelerated mathematics course • passed the Iowa Algebra Aptitude Test (IAAT) score at or above the 91st percentile • A score of pass advanced (500 or above) on the Mathematics 7 SOL test <p>Letters will be mailed from Hughes this summer regarding placement. Please wait until this letter is received to make any appeals.</p>	