Portrait of an Abington Heights 5th Grade Mathematician

By the end of 5th Grade, students will:

Numbers & Operations in Base Ten	Numbers & Operations - Fractions	Operations and Algebraic Thinking	Geometry	Measurement and Data
☐ Fluently multiply multi-digit whole numbers (not to exceed 3-digit by 3-digit) ☐ Find whole number quotients of whole numbers with up to four-digit dividends and two-digit divisors ☐ Read, write, and compare decimals to the thousandths ☐ Add, subtract, multiply, and divide decimals to the hundredths (no divisors with decimals) ☐ Use place value understanding to round decimals to thousandths	☐ Add, subtract, multiply, and divide fractions with unlike denominators, including mixed numbers ☐ Solve problems involving fractions and the four operations, and use benchmark fractions and number sense to assess the reasonableness of answers	☐ Write and evaluate simple expressions using parentheses, brackets, or braces ☐ Analyze and explain multiple patterns and relationships (ex. Rules of coordinate pairs; placement of decimal point when multiplying or dividing by a power of 10)	☐ Graph points on the coordinate plane to solve real-world and mathematical problems (only in Quadrant I) ☐ Classify two-dimensional figures into categories based on their properties	☐ Make conversions within a measurement system (ex. 4 cm to 0.04 m) ☐ Represent and interpret data on bar or line graphs ☐ Use operations on fractions to solve problems with information presented in line plots ☐ Apply the formulas $V = l \times w \times h$ and $V = B \times h$ for rectangular prisms to find volumes of right rectangular prisms with whole number edge lengths ☐ Find volumes of solid figures composed of two non-overlapping right rectangular prisms