Math Highlights
Grade 8 Math

Souderton Area
School District

A community where character counts

What your Middle School Student will learn . . .	Students will learn through a research–based balanced instructional approach that includes both discovery learning and direct instruction in the following units: • The Number System • Expressions and Equations • Geometry • Statistics and Probability
Your Middle School Student will continue to develop the Standards for Mathematical Practice . . .	• Makes sense of problems and persevere in solving them • Reason abstractly and quantitatively • Construct viable arguments and critique the reasoning of others • Model with mathematics • Use appropriate tools strategically • Attend to precision • Look for and make use of structure • Look for and express regularity in repeated reasoning
What your Middle School Student will do . . .	• Approximate real numbers • Perform real number operations • Use radicals and integer exponents • Connect proportional relationship and lines • Solve systems of linear equations • Define, evaluate, and compare functions • Model relationships • Understand congruence and similarity • Apply the Pythagorean Theorem
What families will see …	• Children practicing and reviewing their math skills and concepts • New math vocabulary • Emphasis on collaboration and cooperation as a community of learners • Children using the Big Ideas Math online resource available anywhere, anytime, and on almost any device with an internet connection
How families can help . . .	• Encourage your child to share their math learning and math assignments • Discuss with your child how successful he/she feels • Log-in with your child to the Big Ideas Math site at www.bigideas.com for math practice and support • Keep open communication with your child's teachers