

MATHEMATICS

YEAR 7

Number Ninjas

Prepare to become a master of numbers as you join the elite squad of Number Ninjas! In "Mathematical Foundations," explore the secrets of natural numbers, primes, and exponent notation. "Square Solutions" challenges you to crack the codes of squares, square roots, and perfect numbers, refining your pattern recognition skills. Then, brace yourself for "Integer Adventures," where addition and subtraction of integers will put your strategic problem-solving abilities to the test. Sharpen your mathematical skills and cultivate a resilient mindset as you conquer mathematical challenges with ninja-like precision!

Mathematical Marvels

In this comprehensive unit, students ascend to mathematical mastery by honing their skills in the four fundamental operations with positive fractions and decimals. Through a blend of practice and critical thinking, learners develop efficient calculation strategies and explore equivalent representations of rational numbers and percentages. Dive deep into mathematical modeling to solve practical problems in financial and real-world contexts, empowering yourself with a deeper understanding of underlying principles and their versatile applications.

Data Detectives

Prepare for an electrifying journey through the realms of visualization, transformation, statistical analysis, and probability principles! From unraveling two-dimensional representations in "Visualizing Data" to mastering coordinate transformations in "Coordinate Conundrums," students sharpen their geometric prowess. Dive into "Statistical Investigations" to plan and conduct experiments, mastering data interpretation and measures of central tendency. Lastly, explore the thrilling "Probability Playground," where you'll list sample spaces and conduct experiments to predict outcomes, gaining valuable insights into probability principles and their real-world applications.

Geometric Explorers

Embark on a riveting mathematical odyssey where students explore the wonders of algebraic expressions, equations, geometry, and shape classification! Journey through "Algebraic Adventures" to master linear equations and uncover solutions with precision. Delve into variation through tables of values, gaining insights into the impact of variables on outcomes. Confront geometric challenges in "Shape Shapeshifters," applying angle relationships and triangle properties to solve problems. Finally, become "Polygon Pioneers" as you classify shapes and develop algorithms to systematically sort and categorize polygons, showcasing your computational prowess