

Math Year 1

Unit Title	Ratios are Blown out of Proportion	The Number System	Integers and Expressions	Functions, Equations and Inequalities, Oh My!	Geometry Keeps Us in Shape	Knowledge is Power (statistics)
SOI	We simplify and use equivalence to communicate information about proportional relationships in our world.	We use relationships in the number system to represent real world situations	We use logic to identify quantities and patterns in the number system.	Models allow us to express patterns and the relationships between numbers.	Through form, space and measurement are created	Statistics are a powerful model for representing information and influencing decisions.
Key Concept	Relationships	Relationships	Logic	Relationships	Form	Power
Related Concepts	Equivalence Simplification	Representation Systems	Quantities Patterns	Patterns Representations	Measurement Space	Representation Models
Global Context	Globalization and Sustainability	Globalization and Sustainability	Orientation in time and space	Personal and Cultural Expression	Personal and Cultural Expression	Fairness and development
Criterion	A. i,ii,iii C. i,ii,iii,iv,v	A. i,ii,iii D. i,ii,iii,iv,v	A. i,ii,iii B. i,ii,iii	A. i,ii,iii B. i,ii,iii	A. i,ii,iii C. i,ii,iii,iv,v	A. i,ii,iii D. i,ii,iii,iv,v
ATL	Communication Self-Management Thinking	Self-Management Thinking	Self-Management Thinking	Thinking	Communication Self-Management Thinking	Self-management Research Thinking
Content	Ratios, unit rates, proportions, converting between fractions decimals and percents, If the World were 100 People	Add/Sub/mult/div decimals, fractions, multi-digit numbers, estimation, mult. By Powers of 10,	Integers, absolute value, terminating and repeating decimals, rational numbers, graphing coordinates, powers and exponents, numerical expressions, variables, distributive property, equivalent expressions	Exponents, variables, distributive property, 1 step equations, functions, inequalities	Area of parallelograms, triangles, trapezoids; Change in dimensions affect on area and perimeter; Graphing polygons on coordinate plane; Area of composite figures; Volume of rectangular prisms, triangular prisms; Surface area of rectangular prisms, triangular prisms; Nets	Statistical question; Measures of central tendency (mean, median, mode); Measures of variation (quartiles, range, IQR); Mean Absolute Deviation; Selecting appropriate measures of central tendency; Represent data in graphs: line plots, histograms, box plots, line graphs; Shape of Distribution; Selecting appropriate displays