

Math Foundations Level 4 (DM4V)

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No textbook required

Course Outline

Unit Name	Content
1. Place Value and Numbers	<ul style="list-style-type: none"> • Read and write numbers above one million (1 000 000) • Read and write numbers up to the 1000th place value • Read and write numbers up to the 1000 place value
2. Decimals	<ul style="list-style-type: none"> • Decimals on a number line • Arithmetic operations with decimals • Patterns formed by multiplying and dividing by 10, 100, 1000
3. Fractions	<ul style="list-style-type: none"> • Operations with unlike and like denominators and mixed numbers • Patterns formed by multiplying and dividing by 1/10, 1/100, 1/1000
4. Ratio, Proportion and percent	<ul style="list-style-type: none"> • Proportion and ratios with pictures and numbers • Identification of percent between 0% and 100% • Convert between percent and decimals • Application of percent to solve problems
5. Order of Operations	<ul style="list-style-type: none"> • Using the principles of “Order of Operations” to simply expressions (no exponents)
6. Graphs	<ul style="list-style-type: none"> • Identify patterns in graphs and tables • Plotting points (ordered pairs) in the first quadrant • Using circle graphs to represent data
7. Algebra	<ul style="list-style-type: none"> • Symbols representing numbers • One step algebra (no negatives)
8. Geometry	<ul style="list-style-type: none"> • Formulae to find area of triangles, rectangles, trapezoids, and parallelograms • Volume of rectangular prisms • Triangle types and angles • Radius, diameter and circumference of a circle • Complementary and supplementary angle properties