

Maris Stella Elementary School
Dimensions Math® 6-8 Scope & Sequence

| Dimensions Math 6A | | | |
|--------------------|------------------|--------|--|
| Chapter | Chapter Title | Lesson | Lesson Title |
| 1 | Whole Numbers | 1 | Order of Operations |
| | | 1A | Expressions and Equations |
| | | 1B | Exponents |
| | | 1C | Order of Operations without Parentheses |
| | | 1D | Order of Operations with Parentheses |
| | | 2 | Factors and Multiples |
| | | 2A | Factors |
| | | 2B | Multiples |
| | | 3 | Multiplication |
| | | 3A | Properties of Multiplication |
| | | 3B | Mental Multiplication |
| | | 4 | Division |
| | | 4A | Properties of Division |
| | | 4B | Mental Division |
| 2 | Fractions | 1 | Multiplication of Fractions |
| | | 1A | Multiplication of a Proper Fraction by a Whole Number |
| | | 1B | Multiplication of a Proper Fraction by a Fraction |
| | | 1C | Multiplication of an Improper Fraction or a Mixed Number by a Whole Number |
| | | 1D | Multiplication of an Improper Fraction or a Mixed Number by a Fraction |
| | | 2 | Division of Fractions |
| | | 2A | Division of a Whole Number by a Fraction |
| | | 2B | Division of a Fraction by a Whole Number |
| | | 2C | Division of a Fraction by a Fraction |
| 3 | Decimals | 1 | Addition and Subtraction of Decimals |
| | | 1A | Structure of Decimals |
| | | 1B | Adding and Subtracting Decimals |
| | | 2 | Multiplication of Decimals |
| | | 2A | Decimal Number System |
| | | 2B | Multiplier and Product |
| | | 2C | Multiplying Decimals |
| | | 3 | Division of Decimals |
| | | 3A | Divisor and Quotient |
| | | 3B | Dividing Decimals |
| | | 4 | Metric Measurements and Decimals |
| 4 | Negative Numbers | 1 | Positive and Negative Numbers |
| | | 2 | Comparing Positive and Negative Numbers |
| | | 2A | The Number Line |
| | | 2B | Absolute Value |
| 5 | Ratios | 1 | Ratios and Equivalent Ratios |
| | | 1A | Finding Ratios |
| | | 1B | Equivalent Ratios |
| | | 2 | Ratios and Fractions |
| 6 | Rate | 1 | Average and Rate |
| | | 2 | Unit Rate |
| | | 3 | Speed |
| 7 | Percent | 1 | Meaning of Percent |
| | | 2 | Percentage of a Quantity |

| Dimensions Math 6B | | | |
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| Chapter | Chapter Title | Lesson | Lesson Title |
| 8 | Algebraic Expressions | 1 | Writing and Evaluating Algebraic Expressions |
| | | 1A | Use of Letters |
| | | 1B | Evaluating Algebraic Expressions |
| | | 1C | Word Problems |
| | | 2 | Simplifying Algebraic Expressions |
| 9 | Equations and Inequalities | 1 | Equations |
| | | 1A | Algebraic Equations |
| | | 1B | Balancing Equations |
| | | 2 | Inequalities |
| | | 2A | Algebraic Inequalities |
| 10 | Coordinates and Graphs | 2B | Graphing Inequalities Using a Number Line |
| | | 1 | The Coordinate Plane |
| | | 2 | Distance between Coordinate Pairs |
| | | 3 | Changes in Quantities |
| | | 3A | Independent and Dependent Variables |
| | | 3B | Representing Relationships between Variables |
| 11 | Area of Plane Figures | 3C | Observing Relations between Variables with Graphs |
| | | 1 | Area of Rectangles and Parallelograms |
| | | 2 | Area of Triangles |
| | | 2A | Finding Area of a Triangle |
| | | 2B | Areas Involving Parallelograms and Triangles |
| 12 | Volume and Surface Area of Solids | 3 | Area of Trapezoids |
| | | 1 | Volume of Rectangular Prisms |
| | | 1A | Cubes and Cuboids |
| | | 1B | Volume of Liquids |
| | | 2 | Surface Area of Prisms |
| | | 2A | Surface Area of Rectangular Prisms |
| | | 2B | Surface Area of Triangular Prisms |
| 13 | Displaying and Comparing Data | 2C | Metric Conversions and Volume |
| | | 1 | Statistical Variability |
| | | 1A | Statistical Questions |
| | | 1B | Measures of Center |
| | | 2 | Displaying Numerical Data |
| | | 2A | Dot Plots |
| | | 2B | Histograms |
| | | 3 | Measures of Variability and Box Plots |
| | | 3A | Range |
| | | 3B | Mean Absolute Deviation |
| | | 3C | Interquartile Range |
| | | 3D | Box Plot |