

**DISTRICT OF COLUMBIA PUBLIC SCHOOLS
MATHEMATICS
Pre-Kindergarten - Grade 12**

<i>Scope and Sequence</i>					
Grade	Number and Operation	Patterns, Functions, and Algebra	Data Analysis, Statistics, and Probability	Geometry and Spatial Sense	Measurement
Four	<p>Multiplication and Division Appetizers 8; 9; Main Dish Objective 8 (Multiplication) All Lessons; 9 (Division) All Lessons; Applications; Final Tests; Reasonableness Problems</p> <p>Multi-digit addition and subtraction Appetizers 6; 7; Main Dish Objective 6 (Addition) All Lessons; 7 (Subtraction) All Lessons; Applications; Final Tests; Reasonableness Problems</p>	<p>Number Patterns Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Applications; Final Tests; Reasonableness Problems</p> <p>Function tables Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Applications; Final Tests; Reasonableness Problems</p> <p>Variables and expressions Appetizers 2 A&B; Main Dish Objective 2 (Mathematical Relations) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems</p> <p>Number sentences Appetizers 11 A and B; 12 A; Main Dish Objective 11 (Problem Solving) Lessons 1 and 2; 12 (Mathematical Representation) Lesson 1; Applications; Final Tests; Reasonableness Problems</p>	<p>Graphs, plots, and pie charts Appetizers 5 B; Main Dish Objective 5 (Probability/Statistics) Lesson 2; Applications; Final Tests; Reasonableness Problems</p> <p>Mean and range Appetizers 13 C; Main Dish Objective 13 (Reasonableness) Lesson 3; Applications; Final Tests; Reasonableness Problems</p> <p>Probability of events Appetizers 5 A; Main Dish Objective 5 (Probability/Statistics) Lesson 1; Applications; Final Tests; Reasonableness Problems</p> <p>Tree diagrams</p> <p>Ordered arrangements Main Dish Objective 5 (Probability/Statistics) Lesson 2; Applications; Final Tests; Reasonableness Problems</p>	<p>Properties of angles and triangles Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4; Applications; Final Tests; Reasonableness Problems</p> <p>Polygons and polyhedra Appetizers 3 A; Main Dish Objective 3 (Geometry) Lesson 1; Applications; Final Tests; Reasonableness Problems</p> <p>Perpendicular and parallel lines Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4; Applications; Final Tests; Reasonableness Problems</p>	<p>Customary and metric measurement Appetizers 4 B&C; Main Dish Objective 4 (Measurement) Lessons 2&3; Applications; Final Tests; Reasonableness Problems</p> <p>Time relationships Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Applications; Final Tests; Reasonableness Problems</p> <p>Map scales Frugal Field Trips</p>

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Grade	Number and Operation	Patterns, Functions, and Algebra	Data Analysis, Statistics, and Probability	Geometry and Spatial Sense	Measurement
Four	<p>One- and two- digit multiplication and division Appetizers 8; 9; Main Dish Objective 8 (Multiplication) All Lessons; 9 (Division) All Lessons; Applications; Final Tests; Reasonableness Problems</p> <p>Equivalent and improper fractions Appetizers 1 G; Main Dish Objective 1 (Number Concepts) Lesson 7; Applications; Final Tests; Reasonableness Problems</p> <p>Adding and subtracting decimals and fractions Appetizers 6 C and D; 7; Main Dish Objective 6 (Addition) Lessons 3 and 4; 7 (Subtraction) All Lessons; Applications; Final Tests; Reasonableness Problems</p>			<p>Transformations Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Applications; Final Tests; Reasonableness Problems</p> <p>Circles</p> <p>Grids Appetizers 2 D; Main Dish Objective 2 (Mathematical Relations) Lesson 4; Applications; Final Tests; Reasonableness Problems</p> <p>Area, volume, and perimeter Appetizers 4 G and H; Main Dish Objective 4 (Measurement) Lessons 7 and 8; Applications; Final Tests; Reasonableness Problems</p>	