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Investigations IN NUMBER, DATA, AND SPACE® for the Common Core

Connected Mathematics 2 FOR THE COMMON CORE

The Common Core State Standards (CCSS) articulate Standards of Mathematical Practice that have been central to the development of both *Investigations in Number, Data and Space* and *Connected Mathematics Project (CMP2)* materials from their inception. Investigations and CMP2 focus on developing mathematical situations giving students opportunities to develop mathematical proficiency through mathematical practices as they solve **real world problem situations**.

Both Investigations and CMP2 curricula represent the culmination of many years of research and development aimed at improving the teaching and learning of K-8 mathematics. Based on extensive classroom testing, both Investigations and CMP2 take seriously the time students need to develop a strong conceptual foundation and skills based on that foundation. Investigations and CMP2 focus in depth on each area of mathematics content, in order for students to develop and practice ideas across a variety of activities and contexts that build on each other. The investigations are carefully designed to invite all students into mathematics—girls and boys; members of diverse cultural, ethnic, and language groups; and students with a wide variety of strengths, needs, and interests in grades kindergarten through 8.

Unit Alignment to the Common Core Domains

Investigations IN NUMBER, DATA, AND SPACE® for the Common Core

Connected Mathematics 2™ COMMON CORE

Common Core Domain	K	1	2	3	4	5	6	7	8
Counting and Cardinality	Who is in School Today? Counting and Comparing What Comes Next? Measuring and Counting Make a Shape, Build a Block How Many Do You Have? Sorting and Surveys								
Operations and Algebraic Thinking	Measuring and Counting How Many Do You Have?	How Many of Each? Solving Story Problems Fish Lengths and Animal Jumps Number Games and Crayon Puzzles Color, Shape, and Number Puzzles Twos, Fives, and Tens Blocks and Boxes	Counting, Coins, and Combinations Shapes, Blocks, and Symmetry Stickers, Number Strings, and Story Problems Pockets, Teeth, and Favorite Things How Many Floors? How Many Rooms? How Many Tens? How Amany Ones? Partners, Teams and Paper Clips Measuring Length and Time	Trading Stickers, Combining Coins Collections and Travel Stories Equal Groups Stories, Tables, and Graphs Finding Fair Shares How Many Hundreds? How Many Miles? Solids and Boxes	Trading Stickers, Combining Coins Collections and Travel Stories Equal Groups Stories, Tables, and Graphs	Number Puzzles and Multiple Towers Prisms and Pyramids Decimals on Grids and Number Lines How Many People? How Many Teams? Growth Patterns			
Number and Operations in Base Ten	How Many Do You Have?	How Many of Each? Making Shapes and Designing Quilts Solving Story Problems What Would You Rather Be? Fish Lengths and Animal Jumps Number Games and Crayon Puzzles Color, Shape, and Number Puzzles Twos, Fives, and Tens Blocks and Boxes	Counting, Coins, and Combinations Shapes, Blocks, and Symmetry Stickers, Number Strings, and Story Problems Pockets, Teeth, and Favorite Things How Many Floors? How Many Rooms? How Many Tens? How Amany Ones? Parts of a Whole, Parts of a Group Partners, Teams and Paper Clips Measuring Length and Time	Trading Stickers, Combining Coins Collections and Travel Stories Perimeter, Angles, and Area Equal Groups Stories, Tables, and Graphs Finding Fair Shares How Many Hundreds? How Many Miles? Solids and Boxes	Describing the Shape of the Data Multiple Towers and Division Stories Size, Shape, and Symmetry Landmarks and Large Numbers Fraction Cards and Decimal Squares Moving Between Solids and Silhouettes How Many Packages? How Many Groups? Penny Jars and Plant Growth	Number Puzzles and Multiple Towers Prisms and Pyramids Thousands of Miles, Thousands of Seats Decimals on Grids and Number Lines How Many People? How Many Teams? Growth Patterns How Long Can You Stand on One Foot?			
Number and Operations - Fractions				Finding Fair Shares	Fraction Cards and Decimal Squares Moving Between Solids and Silhouettes	What's That Portion? Decimals on Grids and Number Lines How Many People? How Many Teams? How Long Can You Stand on One Foot?			
Measurement and Data	Who is in School Today? Counting and Comparing What Comes Next? Measuring and Counting Make a Shape, Build a Block How Many Do You Have? Sorting and Surveys	How Many of Each? Solving Story Problems What Would You Rather Be? Fish Lengths and Animal Jumps Number Games and Crayon Puzzles Color, Shape, and Number Puzzles Twos, Fives, and Tens Blocks and Boxes	Counting, Coins, and Combinations Shapes, Blocks, and Symmetry Stickers, Number Strings, and Story Problems Pockets, Teeth, and Favorite Things How Many Floors? How Many Rooms? How Many Tens? How Amany Ones? Parts of a Whole, Parts of a Group Partners, Teams and Paper Clips Measuring Length and Time	Surveys and Line Plots Collections and Travel Stories Perimeter, Angles, and Area Equal Groups Finding Fair Shares Solids and Boxes	Describing the Shape of the Data Size, Shape, and Symmetry Landmarks and Large Numbers Fraction Cards and Decimal Squares Moving Between Solids and Silhouettes How Many Packages? How Many Groups? Penny Jars and Plant Growth	Prisms and Pyramids Decimals on Grids and Number Lines Growth Patterns How Long Can You Stand on One Foot?			

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Investigations IN NUMBER, DATA, AND SPACE® for the Common Core

Connected Mathematics 2 COMMON CORE

Common Core Domain	K	1	2	3	4	5	6	7	8
Ratios and Proportional Relationships							Bits and Pieces I CCSS 1: Ratios and Rates Shapes and Designs How Likely Is It? Bits and Pieces III	CCSS 1: Graphing Proportions Comparing and Scaling Stretching and Shrinking Moving Straight Ahead Variables and Patterns	
The Number System							Bits and Pieces I Bits and Pieces II Bits and Pieces III Prime Time CCSS 2: Number Properties and Algebraic Equations CCSS 3: Integers and the Coordinate Plane Covering and Surrounding Data About Us	Accentuate the Negative Comparing and Scaling	Looking for Pythagoras
Expressions and Equations							Prime Time Bits and Pieces II Bits and Pieces III CCSS 2: Number Properties and Algebraic Equations Covering and Surrounding CCSS 3: Integers and the Coordinate Plane	Moving Straight Ahead CCSS 2: Equivalent Expressions Variables and Patterns Accentuate the Negative CCSS 3: Inequalities	Growing, Growing, Growing CCSS 1: Exponents Looking for Pythagoras Thinking with Mathematical Models CCSS 2: Functions Say It with Symbols The Shapes of Algebra
Functions									CCSS 2: Functions Thinking with Mathematical Models Growing, Growing, Growing Frogs, Fleas and Painted Cubes Say It with Symbols The Shapes of Algebra
Geometry	Who is in School Today? Counting and Comparing What Comes Next? Measuring and Counting Make a Shape, Build a Block	Making Shapes and Designing Quilts What Would You Rather Be? Fish Lengths and Animal Jumps Blocks and Boxes	Counting, Coins, and Combinations Shapes, Blocks, and Symmetry Pockets, Teeth, and Favorite Things How Many Floors? How Many Rooms? How Many Tens? How Amany Ones? Parts of a Whole , Parts of a Group	Perimeter, Angles, and Area Finding Fair Shares	Size, Shape, and Symmetry	Measuring Polygons Growth Patterns	Covering and Surrounding CCSS 4: Measurement CCSS 3: Integers and the Coordinate Plane	Stretching and Shrinking Comparing and Scaling Filling and Wrapping CCSS 4: Geometry Topics	Kaleidoscopes, Hubcaps, and Mirrors CCSS 3: Transformations CCSS 4: Geometry Topics Looking for Pythagoras Say It with Symbols
Statistics and Probability							Data About Us CCSS 5: Histograms and Box Plots	CCSS 5: Variability Data Distributions What Do You Expect?	Samples and Populations Thinking with Mathematical Models The Shapes of Algebra CCSS 5: Categorical Data