

Building Blocks™ Activity List

More than 300 adaptive, research-based digital math activities for Grades PreK–8.



Developed by Dr. Douglas H. Clements and Dr. Julie Sarama

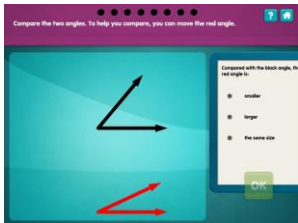
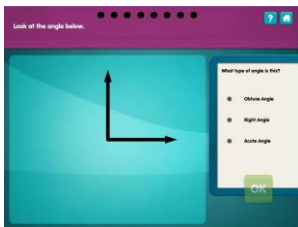
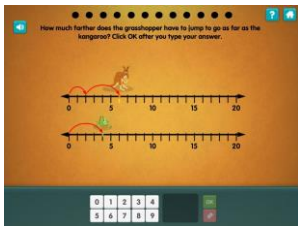
Building Blocks™ is a collection of highly researched game-based activities that provide conceptual development, math practice, and remediation within a wide variety of mathematical topics.

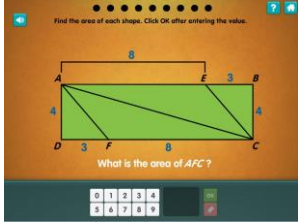

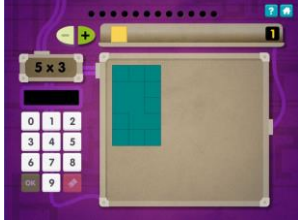

Visit [**mheonline.com/buildingblocks**](https://mheonline.com/buildingblocks) to learn more.



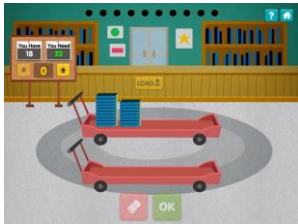
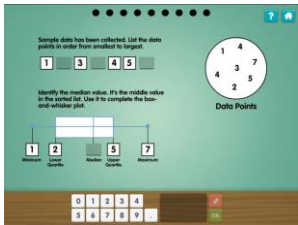
Building Blocks™ Activities and Free Explores

This alphabetical list identifies all **Building Blocks** Activities and Free Explore Activities. Use it to determine developmentally appropriate activities that build specific skills and concepts for your students.


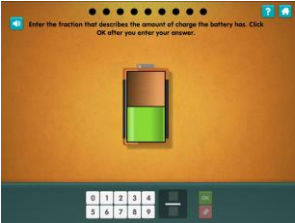
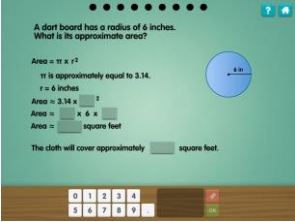
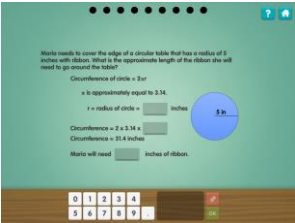
“Age/Grade Range” indicates the typical age at which students reach the indicated Learning Trajectory Level.



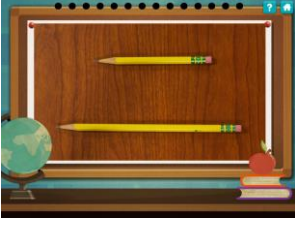
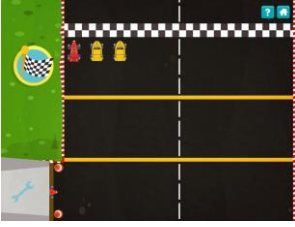
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Angle Compare Students compare the size of angles by moving one angle on top of the other. 	Geometry	Angle Measurement	Ages 8–11 Grades 4–6
Angle Types Students determine if an angle is acute, right, or obtuse by being able to move the angle around the screen. 	Geometry	Angle Measurement	Ages 8–11 Grades 4–6
Animal Jump Students determine how many numbers on a number line an animal must travel to be equal to another animal. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 6–8 Grades K–2

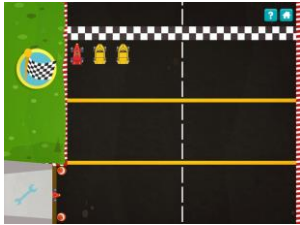
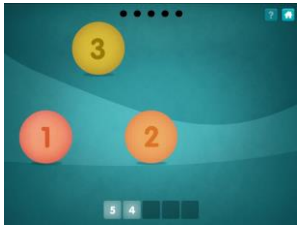
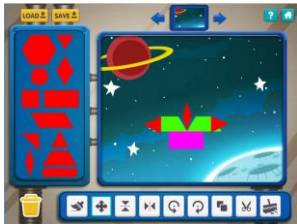
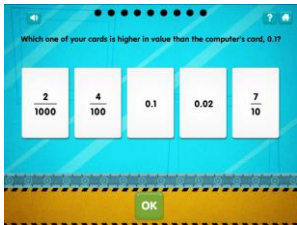
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Area in a Rectangle</p> <p>Students find the areas of triangles and rectangles that are part of a larger rectangle.</p> 	Geometry	Area, Perimeter, and Volume	Ages 10–13 Grades 5–7
<p>Area with Unit Squares</p> <p>Students use unit squares to find the area of rectangles.</p> 	Geometry	Area, Perimeter, and Volume	Ages 9–12 Grades 3–5
<p>Arrays in Area</p> <p>Students use square tiles to find the area of various grids (or partial grids).</p> 	Multiplication	Multiplication/Division	Ages 8–11 Grades 2–4
<p>Barkley's Bones 1–10</p> <p>Students determine the missing addend in $X + _ = Z$ problems.</p> 	Algebra and Patterns	Addition and Subtraction	Ages 5–7 Grade K–1

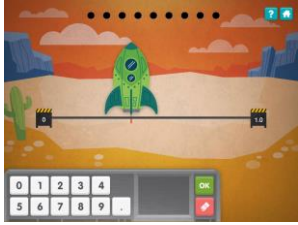
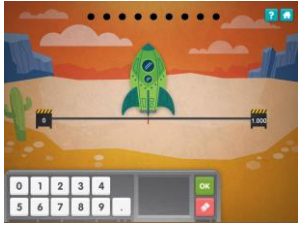
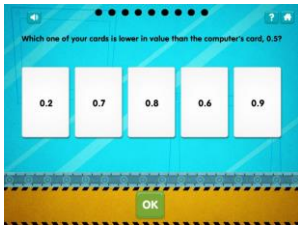
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Barkley's Bones 1–20 Students determine the missing addend in $X + _ = Z$ problems. 	Algebra and Patterns	Addition and Subtraction	Ages 6–8 Grade 1–3
Before and After Math Students identify and select numbers that come either just before or right after a target number. 	Number Sense	Number: Counting (Verbal)	Ages 4–6 Grade K–2
Book Stacks Students count (through one decade) from a given number as they load books onto a car. 	Number Sense	Number: Counting (Objects)	Ages 6–8 Grade K–2
Boxes, Boxes Everywhere Students explore creating box-and-whisker plots. 	Statistics and Graphing	Probability and Statistics	Ages 11–13 Grades 6–8


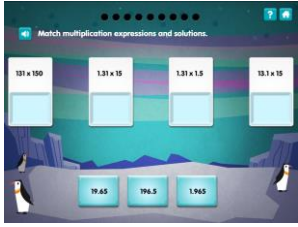


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Bright Idea: Counting On Game Students count from a numeral to identify number amounts, and then move forward a corresponding number of spaces on a game board. 	Addition	Number: Counting (Strategies)	Ages 6–8 Grades K–2
Build Stairs 1: Count Steps Students add stairs to a stair frame outline to reach a target height. 	Number Sense	Number: Counting (Strategies)	Ages 4–6 Grades PreK–K
Build Stairs 2: Order Steps Students identify the appropriate stacks of unit cubes to fill in a series of staircase steps. 	Number Sense	Number: Counting (Strategies)	Ages 4–7 Grades PreK–K
Build Stairs 3: Find the Missing Step Students identify the numeral that represents a missing number in a sequence. 	Number Sense	Number: Counting (Strategies)	Ages 6–7 Grade PreK–K




Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Build Stairs Free Explore Students explore counting, sequencing, and ordering by building staircases.</p> 	Number Sense	Number: Counting (Strategies)	Ages 4–7 Grade PreK–K
<p>Charging Up Students enter the fraction that describes the amount of charge remaining in a battery.</p> 	Fractions	Rational Numbers	Ages 6–8 Grades 2–4
<p>Circle the Area Students use the formula for the area of a circle.</p> 	Measurement	Rational Numbers	Ages 11–14 Grades 6–8
<p>Circling Around Students use the formula for the circumference of a circle.</p> 	Measurement	Rational Numbers	Ages 11–14 Grades 6–8




Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Clean the Plates Students skip count by 10s, 5s, 2s, and 3s to a target number. 	Division	Multiplication and Division	Ages 7–9 Grades 1–3
Comic Book Shop Students use skip counting to produce products that are multiples of 10s, 5s, 2s, and 3s. 	Multiplication	Multiplication and Division	Ages 7–9 Grades 1–3
Comparisons Students are shown pictures of two objects and are asked to click on the one that fits the prompt (longer, shorter, heavier, etc.). 	Measurement	Length Measurement	Ages 4–8 Grades PreK–K
Count and Race Students count up to 50 by adding cars to a racetrack one at a time. 	Number Sense	Number: Counting (Verbal)	Ages 3–6 Grades PreK–K




Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Count and Race Free Explore</p> <p>Students count up to 50 by adding cars to a racetrack one at a time.</p> 	Number Sense	Number: Counting (Verbal)	Ages 3–6 Grades PreK–K
<p>Countdown Crazy</p> <p>Students click digits in sequence to count down from 10 to 0.</p> 	Number Sense	Number: Counting (Object)	Ages 5–7 Grades PreK–K
<p>Create a Scene</p> <p>Students explore shapes by moving and manipulating them to make pictures.</p> 	Geometry	Composing Geometric Shapes	Ages 4–12 Grades K–1
<p>Decimal and Fraction Card Battle</p> <p>Students select decimal or fraction card(s) that "beat" the computer's decimal or fraction card by choosing either cards that are lower or higher.</p> 	Decimals	Rational Numbers	Ages 10–12 Grades 5–7



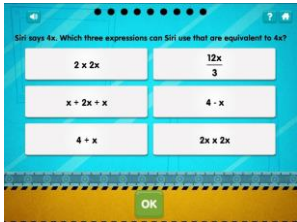
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Decimal Blast 1</p> <p>Students use a rocket-launching scenario to identify the decimals placed on a number line.</p> 	Decimals	Rational Numbers	Ages 10–12 Grades 5–7
<p>Decimal Blast 2</p> <p>Students use a rocket-launching scenario to identify the decimals placed on a number line.</p> 	Decimals	Rational Numbers	Ages 10–12 Grades 5–7
<p>Decimal Card Battle</p> <p>Students select decimal card(s) that "beat" the computer's decimal card by choosing either cards that are lower or higher.</p> 	Decimals	Rational Numbers	Ages 10–12 Grades 5–7

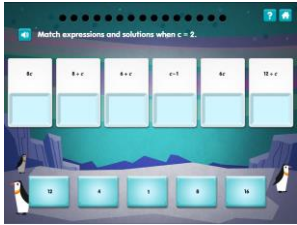
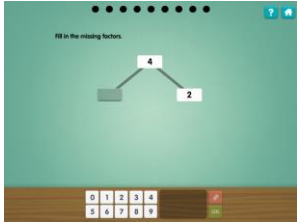

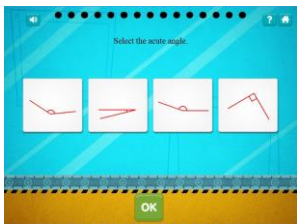
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Decimal Word Problems</p> <p>Students use a word problem scenario and decimal blocks to add and subtract decimals.</p> 	Problem Solving	Rational Numbers	Ages 10–12 Grades 5–7
<p>Deci-Multiply</p> <p>Students match decimal multiplication expression to the answer using the correct placement of the decimal.</p> 	Decimals	Rational Numbers	Ages 10–12 Grades 6–8
<p>Decomposing Area</p> <p>Students find the area of irregular shapes by decomposing the shape.</p> 	Geometry	Area, Perimeter, and Volume	Ages 9–12 Grades 4–6
<p>Deep Sea Compare</p> <p>Students compare the length of two objects by representing them with a third object.</p> 	Measurement	Length Measurement	Ages 5–7 Grades PreK–K

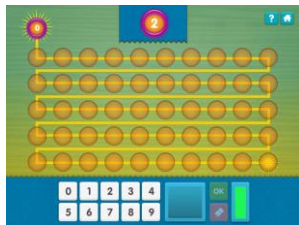
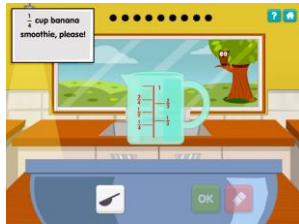
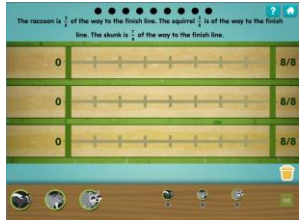
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Dinos Shop 1 Students identify the numeral that represents a target number of dinosaurs in a number frame. 	Number Sense	Number: Counting (Object)	Ages 4–6 Grades PreK–K
Dino Shop 2 Students add dinosaurs to a box to match target numerals. 	Number Sense	Number: Counting (Object)	Ages 5–7 Grades PreK–K
Dino Shop 3 (1–5) Students add the contents of two boxes of toy dinosaurs (number frames) and identify a target numeral that represents the sum. 	Addition	Addition and Subtraction	Ages 4–6 Grades PreK–K

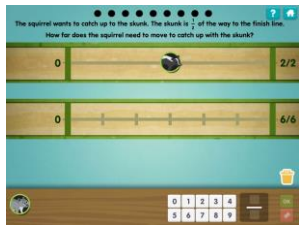


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Dino Shop 3 (1–10)</p> <p>Students add the contents of two boxes of toy dinosaurs (number frames) and identify a target numeral that represents the sum.</p> 	Addition	Addition and Subtraction	Ages 4–7 Grades PreK–K
<p>Dino Shop 4</p> <p>Students start with x dinosaurs in a box and add y more to reach a total of z dinosaurs (up to 10).</p> 	Number Sense	Addition and Subtraction	Ages 5–7 Grades PreK–K
<p>Dino Shop Free Explore</p> <p>Students explore counting and related number topics by adding toy dinosaurs to boxes.</p> 	Number Sense	Counting (Object)	Ages 4–7 Grades PreK–K



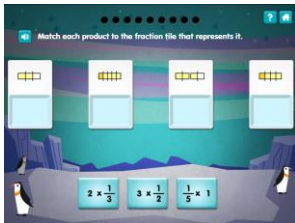
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Double Compare 1–10</p> <p>Students compare sums of cards to determine which sum is greater.</p> 	Number Sense	Addition and Subtraction	Ages 5–7 Grades K–2
<p>Double Compare 1–20</p> <p>Students compare sums of cards to determine which sum is greater.</p> 	Number Sense	Addition and Subtraction	Ages 5–7 Grades 1–3
<p>Easy as Pie</p> <p>Students identify numerals (zero through eight) and total number amounts (one through ten), then move forward a corresponding number of spaces on a game board.</p> 	Addition	Addition and Subtraction	Ages 6–8 Grades K–2


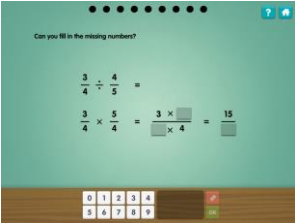

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Eggcellent Students choose numbers whose sums enable them to reach the final space on a game board in the fewest number of moves. 	Addition	Addition and Subtraction	Ages 6–8 Grades 1–2
Egg-stremely Equal Students divide large sets of eggs into several equal parts. 	Fractions	Multiplication and Division	Ages 4–8 Grades K–2
Equivalent Expressions Students identify expressions equivalent to a given expression. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 11–13 Grades 6–8

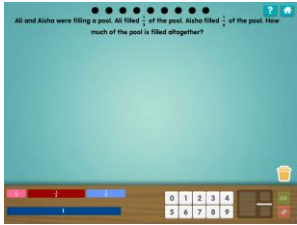
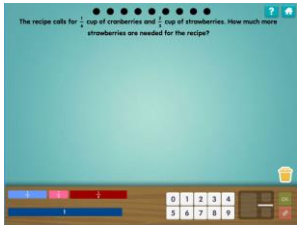

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Evaluating Expressions Students match variable expressions, including expressions with multiple operations, to their values. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 11–13 Grades 6–8
Factor Factory Students explore finding the prime factorization of whole numbers. 	Number Sense	Multiplication and Division	Ages 9–11 Grades 4–6
Field Trip Students solve multi-digit multiplication problems in a field trip environment through the aid of manipulatives. 	Multiplication	Multiplication and Division	Ages 8–11 Grades 3–5
Figure Find Students select the correct figure by using classification information such as amount of sides and size of angles. 	Geometry	Angle Measurement	Ages 9–12 Grades 4–6



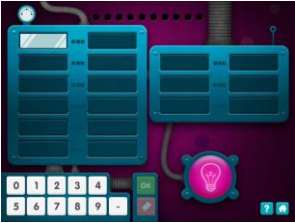
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Figure the Fact Students add numeric values from one through ten to values from zero through ninety-nine, with sums ranging from one through one-hundred. 	Addition	Addition and Subtraction	Ages 7–9 Grades 1–4
Fill It Up Students fill to the line to show $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{4}{4}$, $\frac{1}{3}$, $\frac{2}{3}$, or $\frac{3}{3}$ of a measuring cup. 	Fractions	Rational Numbers	Ages 6–8 Grades 2–4
Forest Race 1 Students tell which of three fractions is greatest, placing images on a number line to help in comparison. 	Fractions	Rational Numbers	Ages 8–11 Grades 3–5


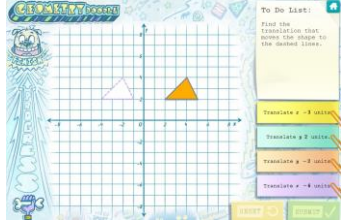
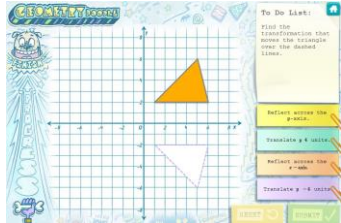
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Forest Race 2 Students find equivalent fraction by using a number line. 	Fractions	Rational Numbers	Ages 8–11 Grades 4–6
Four-Quadrant Treasure Trove Students choose the correct spot for buried treasure by following directions from their correct location on a four-quadrant grid. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 9–11 Grades 4–7
Fraction Bake 1 Students follow a recipe that requires fractions of a whole by combining unit fractions to create representations of non-unit fractions. 	Fractions	Rational Numbers	Ages 7–9 Grades 3–5

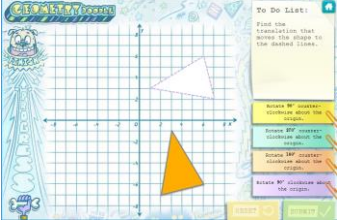
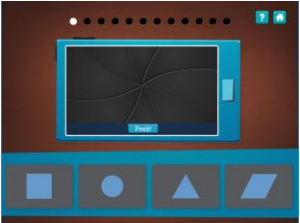
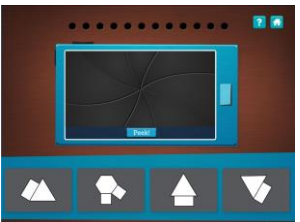
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Fraction Bake 2</p> <p>Students follow a recipe that requires fractions of a whole by combining unit fractions to create representations of non-unit fractions greater than 1.</p> 	Fractions	Rational Numbers	Ages 8–11 Grades 3–5
<p>Fraction Blast</p> <p>Students use a rocket-launching scenario to identify the fractions placed on a number line.</p> 	Fractions	Rational Numbers	Ages 8–11 Grades 3–5
<p>Fraction by Fraction</p> <p>Match multiplication expressions involving fractions to representations.</p> 	Fractions	Rational Numbers	Ages 8–11 Grades 4–6

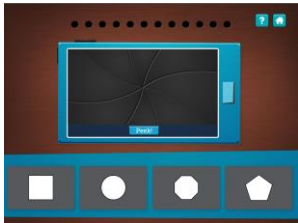
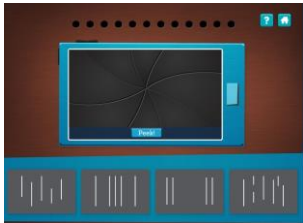

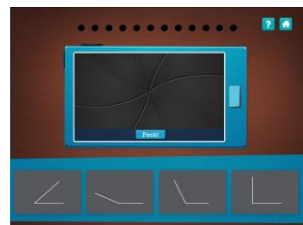
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Fraction Dash</p> <p>Students use the knowledge of a fraction placed a number line to determine another fraction from its placement on the same number line.</p> 	Fractions	Rational Numbers	Ages 8–11 Grades 3–5
<p>Fraction Fracture</p> <p>Students explore the division of fractions and mixed numbers.</p> 	Fractions	Rational Numbers	Ages 10–12 Grades 5–7
<p>Fraction Word Problems 1</p> <p>Students use a word problem scenario and fraction bars to add and subtract fractions which have common denominators.</p> 	Problem Solving	Rational Numbers	Ages 8–11 Grades 4–6

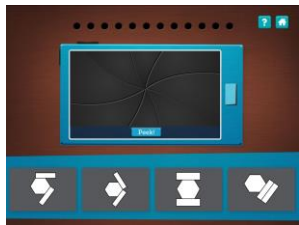
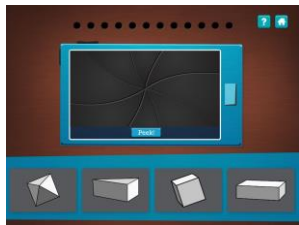


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Fraction Word Problems 2 Students use a word problem scenario and fraction tiles to add fractions which do not have common denominators. 	Problem Solving	Rational Numbers	Ages 8–11 Grades 4–6
Fraction Word Problems 3 Students use a word problem scenario and fraction tiles to subtract fractions which do not have common denominators. 	Problem Solving	Rational Numbers	Ages 8–11 Grades 4–6
Function Machine 1 Students identify a math function (rule) by observing a series of operations that apply a consistent addition or subtraction value (+ 2, - 5, etc.). 	Algebra and Patterns	Addition and Subtraction	Ages 6–8 Grades 1–3

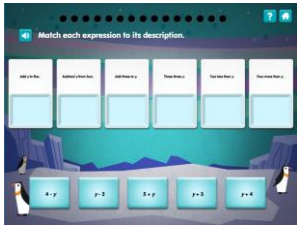
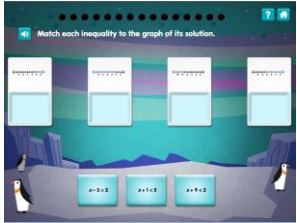


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Function Machine 2</p> <p>Students identify a math function (rule) by observing a series of operations that apply a consistent multiplication, addition, or subtraction value ($\times 3$, $+ 2$, $- 5$, etc.).</p> 	Algebra and Patterns	Multiplication and Division	Ages 8–11 Grades 2–4
<p>Function Machine 3</p> <p>Students identify a math function (rule) by observing a series of operations that apply a consistent division, multiplication, addition, or subtraction value ($\div 4$, $\times 3$, $+ 2$, $- 5$, etc.).</p> 	Algebra and Patterns	Multiplication and Division	Ages 8–12 Grades 3–5
<p>Function Machine 4</p> <p>Students identify combined math functions (rules) by observing a series of operations that apply multiplication and addition or multiplication and subtraction values: $(x * n) + m$, or $(x * n) - m$.</p> 	Algebra and Patterns	Multiplication and Division	Ages 8–12 Grades 3–5


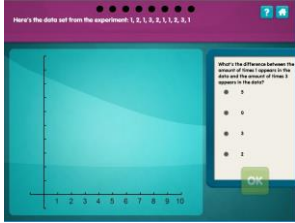


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Function Machine 5</p> <p>Students identify math functions (rules) by observing a series of operations that apply division ($x \div p$), or multiplication and addition ($x * n$) + m, or multiplication and subtraction ($x * n$) - m. Variations include ($x * x$) + x, ($x * x$) + ($x * n$), and ($x * x$) - ($x * n$).</p> 	Algebra and Patterns	Multiplication and Division	Ages 9–12 Grades 4–6
<p>Geometry Doodle 1</p> <p>Students explore translations and find the coordinates of the vertices of a point after these translations.</p> 	Geometry	Spatial Sense and Motions	Ages 10–12 Grades 6–8
<p>Geometry Doodle 2</p> <p>Students explore reflections across the x- and y-axes and find the coordinates of the vertices of a point after these reflections.</p> 	Geometry	Spatial Sense and Motions	Ages 10–12 Grades 6–8


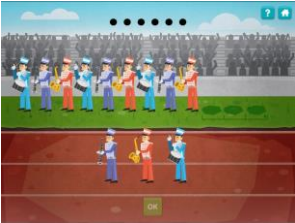


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Geometry Doodle 3</p> <p>Students explore rotations, both clockwise and counterclockwise and find the coordinates of the vertices of a point after these rotations.</p> 	Geometry	Spatial Sense and Motions	Ages 10–12 Grades 6–8
<p>Geometry Snapshots Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Geometry	Spatial Sense and Motions	Ages 5–7 Grades K–2
<p>Geometry Snapshots Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Geometry	Spatial Sense and Motions	Ages 5–7 Grades K–2

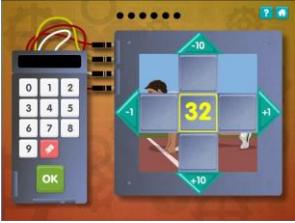

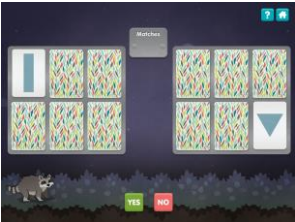
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Geometry Snapshots Students identify an image that correctly matches a target image from four multiple-choice selections. 	Geometry	Spatial Sense and Motions	Ages 5–7 Grades K–2
Geometry Snapshots Students identify an image that correctly matches a target image from four multiple-choice selections. 	Geometry	Spatial Sense and Motions	Ages 6–8 Grades 1–3
Geometry Snapshots Students identify an image that correctly matches a target image from four multiple-choice selections. 	Geometry	Spatial Sense and Motions	Ages 7–11 Grades 3–5
Geometry Snapshots Students must match target image to the correct multiple-choice image. 	Geometry	Spatial Sense and Motions	Ages 7–10 Grades 4–6




Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Geometry Snapshots Students identify an image that correctly matches a target image from four multiple-choice selections. 	Geometry	Spatial Sense and Motions	Ages 8–11 Grades 4–6
Geometry Snapshots Students identify an image that correctly matches a target image from four multiple-choice selections. 	Geometry	Spatial Sense and Motions	Ages 8–12 Grades 4–6
Histogram O Rama Students create a histogram from a set of data to answer a question about the data. 	Statistics and Graphing	Probability and Statistics	Ages 11–13 Grades 6–8
I Spy and Multiply Students select multiples of various numbers. 	Multiplication	Multiplication and Division	Ages 9–11 Grades 4–6

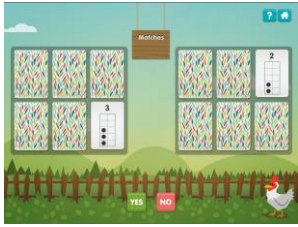

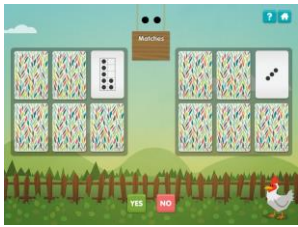
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>I Spy Expressions</p> <p>Students match verbal expressions with numeric expressions.</p> 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 11–13 Grades 6–8
<p>Inequality Graphs</p> <p>Students match inequalities to graphs on a number line.</p> 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 11–13 Grades 6–8
<p>Jungle Race</p> <p>Students identify fractions that describe points on a number line.</p> 	Fractions	Rational Numbers	Ages 7–9 Grades 3–5
<p>Kitchen Counter</p> <p>Students click on objects, one at a time, while the numbers from one to ten are counted aloud.</p> 	Number Sense	Counting (Verbal)	Ages 3–6 Grades PreK–K



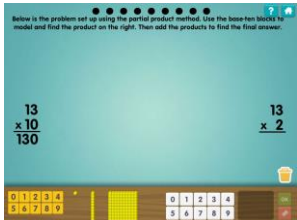

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Legends of the Lost Shape</p> <p>Students identify target shapes using textual clues provided.</p> 	Geometry	Recognizing Geometric Shapes	Ages 8–12 Grades 4–6
<p>Line Plots</p> <p>Students create a line plot from a set of data to answer a question about the data.</p> 	Statistics and Graphing	Probability and Statistics	Ages 11–13 Grades 4–6
<p>Lots O' Socks: Adding Game</p> <p>Students identify numerals (one through ten) and number amounts (one through twenty), and then move forward a corresponding number of spaces on a game board.</p> 	Addition	Addition and Subtraction	Ages 6–8 Grades K–2
<p>Marching Patterns 1</p> <p>Students extend a linear pattern by one repetition of the unit.</p> 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 5–7 Grades PreK–K

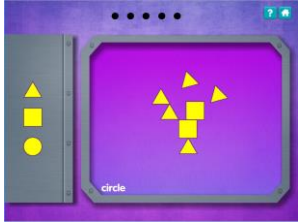
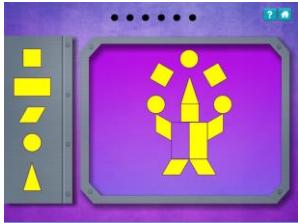

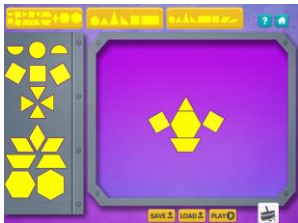
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Marching Patterns Students extend a linear pattern by one repetition of the unit. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 5–7 Grades PreK–K
Marching Patterns Students extend a linear pattern by one repetition of the unit. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 5–7 Grades PreK–K
Matching Expressions Students match equivalent expressions, some using the commutative property. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 7–9 Grades 1–3
Matching Fractions Students match equivalent fractions to one another. 	Fractions	Rational Numbers	Ages 8–11 Grades 3–5





Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Math-O-Scope</p> <p>Students identify numbers (representing values that are ten more, ten less, one more, or one less than a target number) within the hundreds chart to reveal a partially hidden photograph.</p> 	Number Sense	Counting (Strategies)	Ages 7–9 Grades 1–3
<p>Memory Geometry 1: Exact Matches</p> <p>Students match familiar geometric shapes within the framework of a "Concentration" card game. Shapes are in the same orientation.</p> 	Geometry	Recognizing Geometric Shapes	Ages 3–5 Grades PreK–K
<p>Memory Geometry 2: Turned Shapes</p> <p>Students match familiar geometric shapes within the framework of a "Concentration" card game. Shapes are in different orientations.</p> 	Geometry	Recognizing Geometric Shapes	Ages 3–5 Grades PreK–K


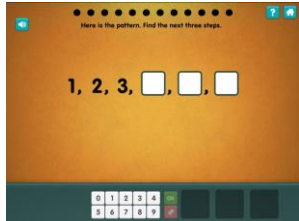

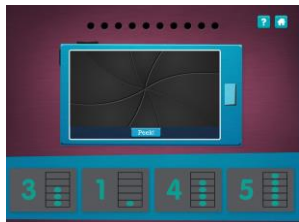
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Memory Geometry 3: Shapes-A-Round Students match geometric shapes within the framework of a "Concentration" card game. Shapes are in different orientations.</p> 	Geometry	Recognizing Geometric Shapes	Ages 3–5 Grades PreK–K
<p>Memory Geometry 4: Shapes of Things Students match familiar geometric shapes to items seen in the real world that share that geometric shape within the framework of a "Concentration" card game.</p> 	Geometry	Recognizing Geometric Shapes	Ages 3–5 Grades PreK–K
<p>Memory Geometry 5: Shapes in the World Students match familiar geometric shapes to items seen in the real world that share that geometric shape within the framework of a "Concentration" card game.</p> 	Geometry	Recognizing Geometric Shapes	Ages 3–5 Grades PreK–K

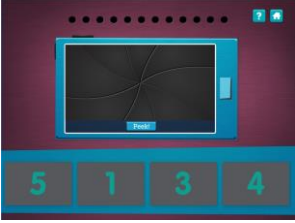
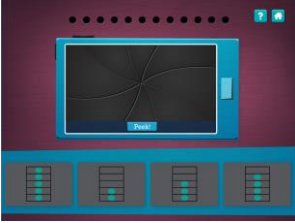
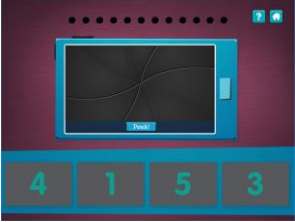
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Memory Number 1: Counting Cards Students match number cards (each with a numeral and corresponding dot cluster) within the framework of a "Concentration" card game.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K
<p>Memory Number 2: Counting Cards to Numerals Students match cards with dot arrays to cards with the corresponding numerals within the framework of a "Concentration" card game.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K
<p>Memory Number 3: Dots to Dots Students match cards with framed dots to cards with the same number of unframed dots, in a "Concentration" card game.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades K–1

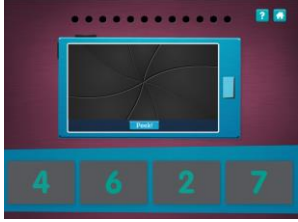
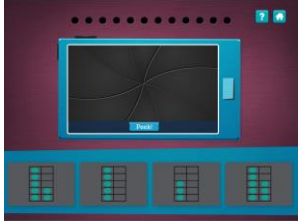
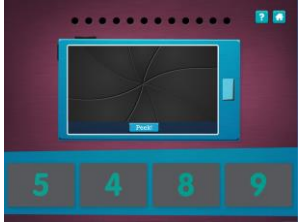
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Missing Number Mania Students identify missing numbers in multiplication and division equations. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 8–10 Grades 2–4
Mowing Lawns Students solve problems involving rate by using a double number line. 	Ratio, Proportion, and Percent	Rational Numbers	Ages 11–14 Grades 6–8
Multi-digit Multiplication Builder Students use number blocks to help find the product of multi-digit multiplication. 	Multiplication	Multiplication and Division	Ages 9–11 Grades 4–6
Mystery Pictures 1 Students construct predefined pictures by selecting shapes that match a series of target shapes. 	Geometry	Recognizing Geometric Shapes	Ages 3–5 Grades PreK–K

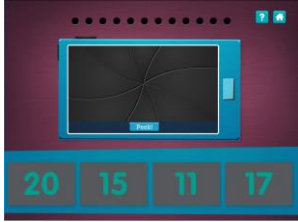
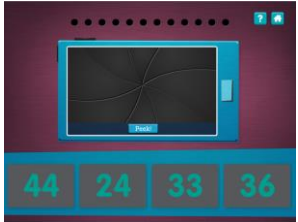

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Mystery Pictures 2</p> <p>Students construct predefined pictures by identifying shapes named in VO and text prompts.</p> 	Geometry	Recognizing Geometric Shapes	Ages 3–5 Grades PreK–K
<p>Mystery Pictures 3</p> <p>Students construct predefined pictures by selecting shapes that match a series of target shapes.</p> 	Geometry	Recognizing Geometric Shapes	Ages 3–6 Grades PreK–K
<p>Mystery Pictures 4</p> <p>Students construct predefined pictures by identifying component shapes.</p> 	Geometry	Recognizing Geometric Shapes	Ages 5–7 Grades K–1
<p>Mystery Pictures Free Explore</p> <p>Students freely construct pictures by assembling a variety of shapes.</p> 	Geometry	Recognizing Geometric Shapes	Ages 3–7 Grades K–1


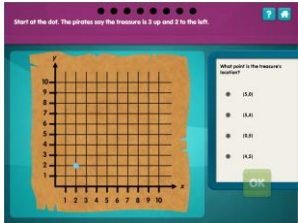

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Number Compare 1: Dots and Numerals Students compare two cards and choose the one with the greater value.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 4–6 Grades PreK–1
<p>Number Compare 2: Dots to 7 Students compare two cards and choose the one with the greater number of dots.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 5–7 Grades PreK–1
<p>Number Compare 3: Dots to 10 Students compare two cards and choose the one with the greater number of dots.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 6–8 Grades K–1
<p>Number Compare 4: Numerals to 100 Students compare two cards and choose the one with the larger numeral.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 7–9 Grades 1–3

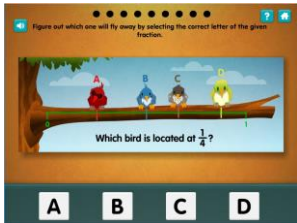


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Number Compare 5: Dot Arrays to 100 Students compare two cards and choose the one with the larger number of dots. 	Number Sense	Multiplication and Division	Ages 8–11 Grades 2–4
Number Patterns Students recognize a numeric pattern and then supply the next three numbers. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 7–9 Grades 1–3
Number Snapshots 1 Students identify an image that correctly matches a target image from four multiple-choice selections. 	Number Sense	Recognizing Numbers	Ages 3–5 Grades PreK–K
Number Snapshots 2 Students identify an image that correctly matches a target image from four multiple-choice selections. 	Number Sense	Recognizing Numbers	Ages 4–6 Grades PreK–K





Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Number Snapshots 3</p> <p>Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Number Sense	Recognizing Numbers	Ages 5–7 Grades PreK–1
<p>Number Snapshots 4</p> <p>Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Number Sense	Recognizing Numbers	Ages 5–7 Grades PreK–1
<p>Number Snapshots 5 Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Number Sense	Recognizing Numbers	Ages 5–7 Grades PreK–1


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Number Snapshots 6 Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Addition	Recognizing Numbers	Ages 6–8 Grades K–1
<p>Number Snapshots 7</p> <p>Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Addition	Recognizing Numbers	Ages 5–7 Grades K–1
<p>Number Snapshots 8</p> <p>Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Addition	Recognizing Numbers	Ages 6–8 Grades K–2

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Number Snapshots 9</p> <p>Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Number Sense	Recognizing Numbers	Ages 6–8 Grades 1–3
<p>Number Snapshots 10</p> <p>Students identify an image that correctly matches a target image from four multiple-choice selections.</p> 	Number Sense	Recognizing Numbers	Ages 7–9 Grades 2–4
<p>Numeral Train Game</p> <p>Students identify numerals (1-5) and move forward a corresponding number of spaces on a game board.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K



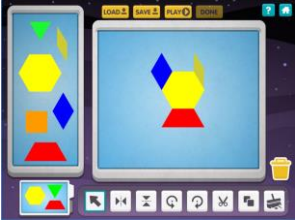
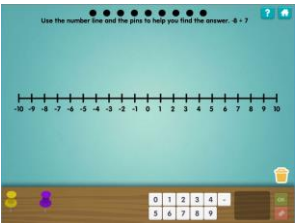
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Off the Tree</p> <p>Students add two amounts of dots to identify their total number value (from two through ten) and move forward a corresponding number of spaces on a game board.</p> 	Addition	Addition and Subtraction	Ages 5–7 Grades K–1
<p>One-Quadrant Treasure Trove</p> <p>Students choose the correct spot for buried treasure by following directions from their correct location on a single-quadrant grid.</p> 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 9–11 Grades 4–7
<p>Ordinal Construction Company</p> <p>Students learn ordinal positions (1st through 10th) by moving objects between the floors of a building.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 5–7 Grades PreK–K



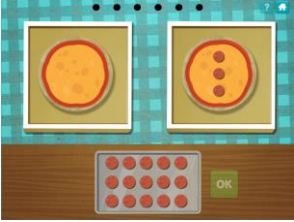

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Out on a Limb</p> <p>Students determine which of four birds will fly away by choosing the bird sitting at the placement of a certain fraction on a number line.</p> 	Fractions	Rational Numbers	Ages 8–11 Grades 3–5
<p>Painter's Ratios</p> <p>Students use diagrams to answer ratio word problems.</p> 	Ratio, Proportion, and Percent	Rational Numbers	Ages 11–13 Grades 6–8
<p>Party Time 1</p> <p>Students practice one-to-one correspondence by matching party utensils to placemats.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 4–6 Grades PreK–K




Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Party Time 2</p> <p>Students identify the numeral that represents a target amount of party items to be placed on a table.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K
<p>Party Time 3</p> <p>Students place items on a tray (up to 10) to match target numerals.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K
<p>Party Time Free Explore</p> <p>Students explore counting and related number topics by putting party items on a table.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 4–6 Grades PreK–K
<p>Pattern Planes 1</p> <p>Students duplicate a linear pattern from a guide.</p> 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 3–6 Grades PreK–K


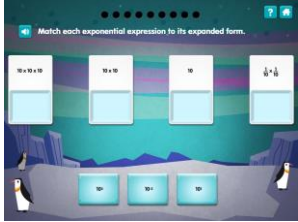
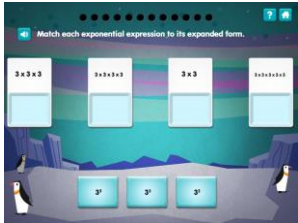
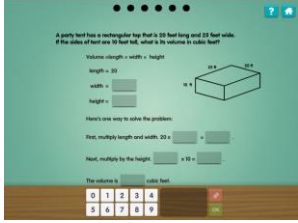
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Pattern Planes 2 Students duplicate a linear pattern from a guide.</p> 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 3–6 Grades PreK–K
<p>Pattern Planes 3 Students duplicate a linear pattern from a guide.</p> 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 3–5 Grades PreK–K
<p>Patterns Free Explore Students explore patterning by creating rhythmic patterns of their own.</p> 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 3–5 Grades PreK–K
<p>Paula's Symmetrical Patterns Students determine which line is a line of symmetry on different figures.</p> 	Geometry	Symmetrical Shapes	Ages 10–12 Grades 6–8

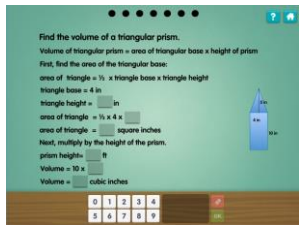
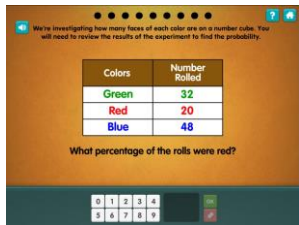
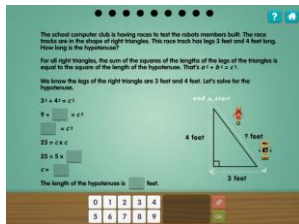

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Perimeter Students use repeated addition to find the perimeters of various figures. 	Geometry	Area, Perimeter, and Volume	Ages 8–10 Grades 3–5
Piece Puzzler 1 Students complete puzzles using pattern shapes. 	Geometry	Composing Geometric Shapes	Ages 4–6 Grades PreK–K
Piece Puzzler 2 Students complete puzzles using pattern shapes. 	Geometry	Composing Geometric Shapes	Ages 4–6 Grades PreK–K
Piece Puzzler 3 Students complete puzzles using pattern shapes. 	Geometry	Composing Geometric Shapes	Ages 5–7 Grades K–1




Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Piece Puzzler 4</p> <p>Students complete puzzles using pattern or Tangram shapes.</p> 	Geometry	Composing Geometric Shapes	Ages 5–7 Grades K–1
<p>Piece Puzzler 5</p> <p>Students find several solutions to each puzzle by substituting shapes for each other.</p> 	Geometry	Composing Geometric Shapes	Ages 6–8 Grades 1–3
<p>Piece Puzzler Free Explore</p> <p>Students explore shapes by moving and manipulating them to make pictures.</p> 	Geometry	Composing Geometric Shapes	Ages 4–6 Grades PreK–K
<p>Pin the Number Line</p> <p>Students use a number line to add and subtract integers. The number line and the integers will be from -10 to 10.</p> 	Number Sense	Rational Numbers	Ages 11–13 Grads 6–8

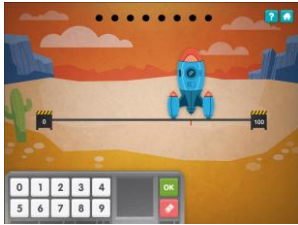


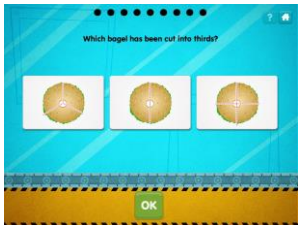
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Pizza Pizzazz 1</p> <p>Students count items up to 10, matching target amounts.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 3–5 Grades PreK–K
<p>Pizza Pizzazz 2 (1–5)</p> <p>Students count items up to 5, putting toppings on a pizza to match a target amount.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K
<p>Pizza Pizzazz 2 (1–10)</p> <p>Students count items up to 10, matching target amounts.</p> 	Number Sense	Counting (Object)	Ages 5–7 Grades PreK–3
<p>Pizza Pizzazz 3: Make Number Pizzas (1–5)</p> <p>Students add toppings to a pizza (up to 5) to match target numerals.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K

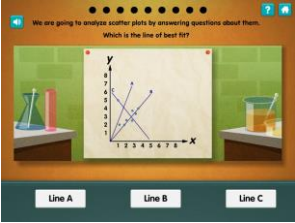


Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Pizza Pizzazz 3: Make Number Pizzas (1–10) Students add toppings to a pizza (up to 10), to match target numerals. 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K
Pizza Pizzazz 4 Students add and subtract numbers up to 5 (with objects shown, then hidden) matching target amounts. 	Number Sense	Addition and Subtraction	Ages 3–6 Grades PreK–K
Pizza Pizzazz 5 Students add toppings to a pizza (up to 10), finding missing addends. 	Number Sense	Addition and Subtraction	Ages 6–8 Grades K–1


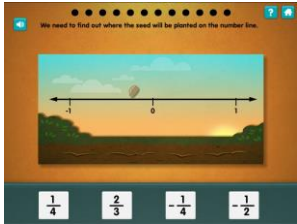

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Pizza Pizzazz Free Explore</p> <p>Students explore counting and related number topics by adding toppings to pizzas.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 3–5 Grades PreK–1
<p>Power Play Negative</p> <p>Match exponential expressions, including negative exponents, to expanded forms.</p> 	Number Sense	Exponents and Roots	Ages 12–14 Grades 6–8
<p>Power Play</p> <p>Match exponential expressions to expanded forms.</p> 	Number Sense	Exponents and Roots	Ages 12–14 Grades 6–8
<p>Prism Fill 1</p> <p>Students work through finding the volume of right rectangular prisms.</p> 	Geometry	Area, Perimeter, and Volume	Ages 8–12 Grades 4–6

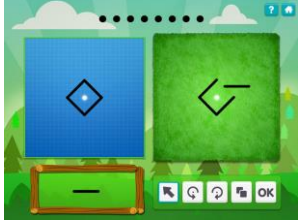
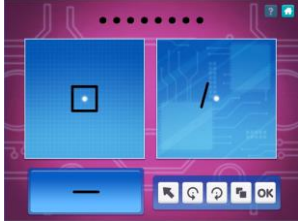
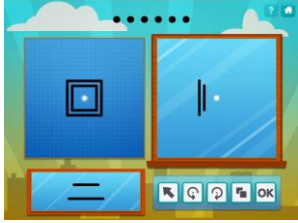
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Prism Fill 2 Students work through finding the volume of right triangular prisms. 	Geometry	Area, Perimeter, and Volume	Ages 9–12 Grades 5–7
Probability Pro Students find the relative populations of colored faces on a number cube as well as the percentage of rolls of the cube for a certain color. 	Probability	Probability and Statistics	Ages 11–13 Grades 6–8
Racing Robots Students use a race scenario to find the distances involved in a right triangle. 	Geometry	Exponents and Roots	Ages 12–14 Grades 6–8
Reptile Ruler Students learn about non-standard linear measurement by using a ruler to determine the length of various reptiles. 	Measurement	Length Measurement	Ages 7–10 Grades PreK–2

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Road Race Students identify numbers of sides (three, four, or five) on polygons and move forward a corresponding number of spaces on a game board.</p> 	Number Sense	Counting (Object)	Ages 4–6 Grades PreK–K
<p>Road Race Counting Game Students identify number amounts (from one through five) and move forward a corresponding number of spaces on a game board.</p> 	Number Sense	Counting (Object)	Ages 3–6 Grades PreK–K
<p>Rocket Blast 1 Students estimate the placement of a tick mark to the nearest whole number on a 1–20 number line.</p> 	Number Sense	Comparing and Ordering Numbers	Ages 6–8 Grades 1–3





Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Rocket Blast 2 Students estimate the placement of a tick mark to the nearest whole number on a 1–100 number line. 	Number Sense	Comparing and Ordering Numbers	Ages 7–10 Grades 1–3
Rocket Blast 3 Students estimate the placement of a tick mark to the nearest whole number on a 1–1000 number line. 	Number Sense	Comparing and Ordering Numbers	Ages 8–11 Grades 2–4
Sandwich Shop 1 Students identify figures that show two equal parts. 	Fractions	Rational Numbers	Ages 5–7 Grades 1–3
Sandwich Shop 2 Students identify the figure that's been fractioned into equal parts. 	Fractions	Rational Numbers	Ages 6–8 Grades 2–4

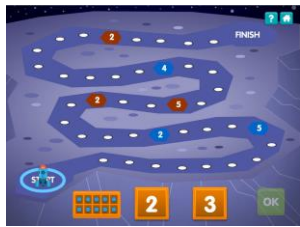
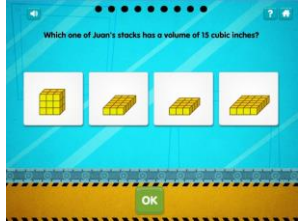
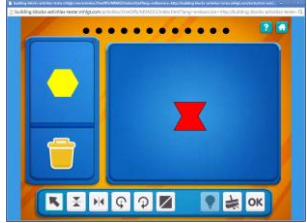
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Scatter It</p> <p>Students analyze scatter plots to answer questions about line of best fit, the relationship, and outliers.</p> 	Statistics and Graphing	Probability and Statistics	Ages 11–13 Grades 6–8
<p>School Supply Shop</p> <p>Students count objects by tens to reach a target number up to 100.</p> 	Number Sense	Counting (Objects)	Ages 6–8 Grades K–2
<p>Sea to Shore: Plus One</p> <p>Students identify number amounts by counting. They move forward a number of spaces on a game board that is one more than a given numeral.</p> 	Addition	Counting (Verbal)	Ages 6–8 Grades K–2

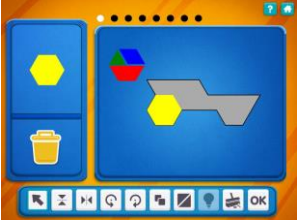
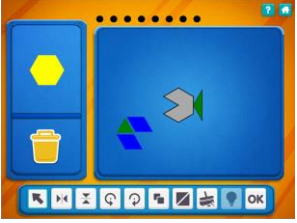
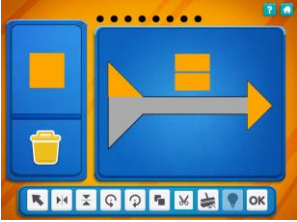
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Seed Sprout 1: Integers Students determine where a seed will be planted using a number line that includes both negative and positive numbers. 	Number Sense	Rational Numbers	Ages 11–13 Grades 6–8
Seed Sprout 2: Rational Numbers Students determine where a seed will be planted using a number line that includes both negative and positive decimals and fractions. 	Fractions	Rational Numbers	Ages 11–13 Grades 6–8
Shape Parts 1 Students use shape parts to construct a shape that matches a target. 	Geometry	Recognizing Geometric Shapes	Ages 5–8 Grades PreK–1


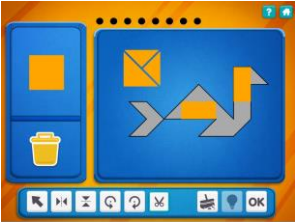
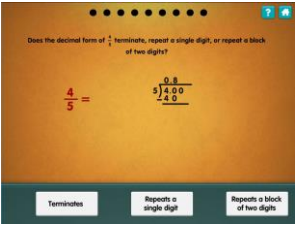
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Shape Parts 2 Students use shape parts to construct a shape that matches a target.</p> 	Geometry	Recognizing Geometric Shapes	Ages 5–8 Grades PreK–1
<p>Shape Parts 3 Students build a “real-world” object. Objects are in standard orientation, but students must copy them in an orientation different from the original.</p> 	Geometry	Recognizing Geometric Shapes	Ages 7–9 Grades 1–3
<p>Shape Parts 4 Students build a “real-world” object. Objects are in standard orientation. Concentric shapes are included.</p> 	Geometry	Recognizing Geometric Shapes	Ages 7–9 Grades 1–4

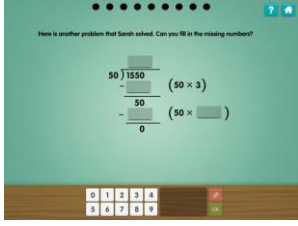
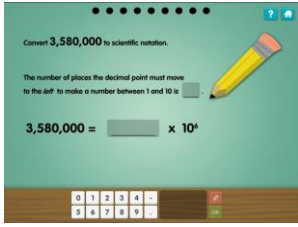

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Shape Parts 5 Students build a “real-world” object based on a verbal description of its component shapes. 	Geometry	Recognizing Geometric Shapes	Ages 7–9 Grades 2–4
Shape Parts 6 Students build a “real-world” object, using angles at the vertices to make it “stronger.” 	Geometry	Recognizing Geometric Shapes	Ages 7–9 Grades 3–5
Shape Parts 7 Students build a “real-world” object using verbal descriptions of shapes; shapes are defined verbally in terms of sides and angles (e.g., equilateral triangle). 	Geometry	Recognizing Geometric Shapes	Ages 8–11 Grades 3–5

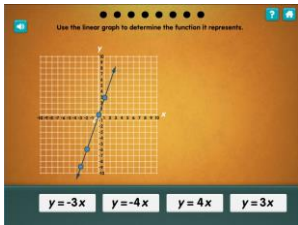
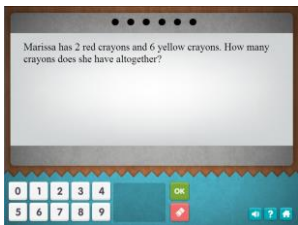
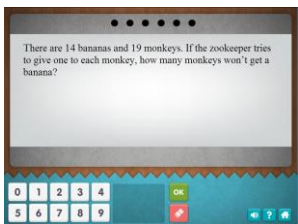
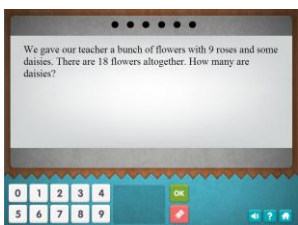
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Shape Shop 1 Students identify shapes by their attributes or properties (number of sides and angles). 	Geometry	Recognizing Geometric Shapes	Ages 5–8 Grades K–1
Shape Shop 2 Students identify shapes by their attributes or properties. 	Geometry	Recognizing Geometric Shapes	Ages 6–8 Grades K–1
Shape Shop 3 Students identify shapes by their attributes or properties. 	Geometry	Recognizing Geometric Shapes	Ages 8–11 Grades 2–5
Snack Time Students divide a target number into equal groups to find a quotient. 	Division	Multiplication and Division	Ages 6–8 Grades 2–4

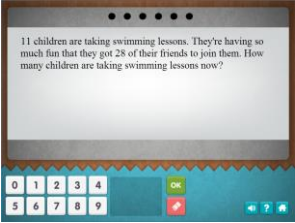
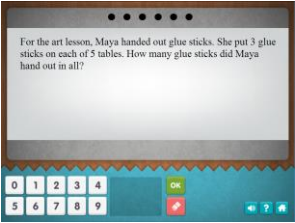
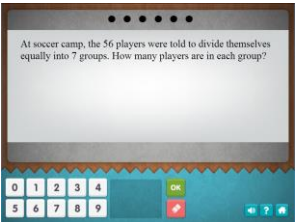
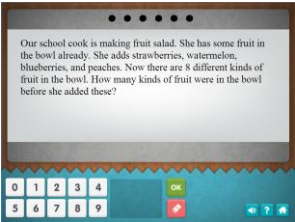
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
Space Race: Number Choice Students choose numbers that enable them to reach the final space on a game board in a designated number of moves. 	Number Sense	Comparing and Ordering Numbers	Ages 4–6 Grades PreK–K
Stacking Cubes Students use a shipping scenario to determine volume of stacked cubes. 	Geometry	Area, Perimeter, and Volume	Ages 8–11 Grades 4–6
Super Shape 1 Students complete puzzles using pattern shapes. 	Geometry	Composing Geometric Shapes	Ages 5–7 Grades K–1
Super Shape 2 Students decompose a shape and combine the resultant pieces to fill in puzzle outlines. 	Geometry	Composing Geometric Shapes	Ages 5–7 Grades K–1

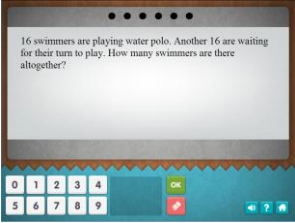
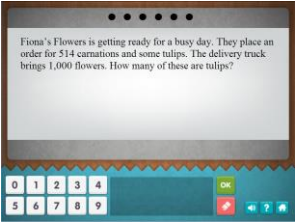
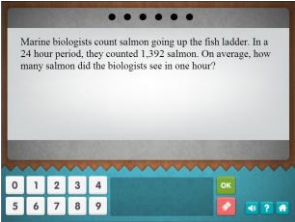
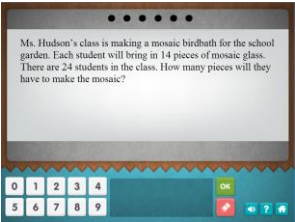
Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Super Shape 3</p> <p>Students decompose shapes and combine the resultant smaller pieces to fill in puzzle outlines.</p> 	Geometry	Composing Geometric Shapes	Ages 5–7 Grades 1–3
<p>Super Shape 4</p> <p>Students complete puzzles using shapes that are derived from decomposition of a single larger shape.</p> 	Geometry	Composing Geometric Shapes	Ages 5–7 Grades 1–3
<p>Super Shape 5</p> <p>Students decompose shapes and combine the resultant pieces to fill in puzzle outlines.</p> 	Geometry	Composing Geometric Shapes	Ages 6–8 Grades 2–4

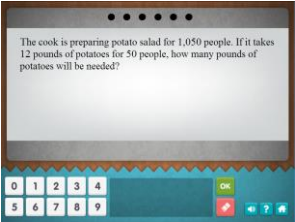

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Super Shape 6</p> <p>Students decompose shapes and combine the resultant pieces to fill in puzzle outlines.</p> 	Geometry	Composing Geometric Shapes	Ages 7–9 Grades 4–6
<p>Super Shape 7</p> <p>Students decompose shapes and combine the resultant pieces to fill in puzzle outlines.</p> 	Geometry	Composing Geometric Shapes	Ages 8–11 Grades 4–6
<p>Termination Station</p> <p>Students observe a fraction as a long division problem and determine if it repeats a single digit, repeats a block of two digits, or terminates.</p> 	Decimals	Rational Numbers	Ages 10–12 Grades 6–8

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>The Great Divide</p> <p>Students explore the standard long division algorithm.</p> 	Division	Multiplication and Division	Ages 9–11 Grades 4–6
<p>The Powers of Ten</p> <p>Students explore scientific notation.</p> 	Number Sense	Exponents and Roots	Ages 12–14 Grades 6–8
<p>Tidal Tally</p> <p>Students identify missing addends (hidden objects) by counting forward from given addends (visible objects) to reach a numerical total.</p> 	Algebra and Patterns	Counting (Strategies)	Ages 6–8 Grades 1–3
<p>Tire Recycling</p> <p>Students count objects by 5s up to 100, or by 2s up to 40</p> 	Number Sense	Counting (Objects)	Ages 6–8 Grades 1–3

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
What is the Function? Students determine function rules from linear graph representations. 	Algebra and Patterns	Patterns and Algebraic Thinking	Ages 11–13 Grades 6–8
Word Problems 1 Students solve word problems (totals to 10). 	Problem Solving	Addition and Subtraction	Ages 5–7 Grades K–1
Word Problems 2 Students solve word problems (single-digit addition and subtraction). 	Problem Solving	Addition and Subtraction	Ages 6–8 Grades 1–3
Word Problems 3 Students solve word problems (1- and 2-digit addition and subtraction). 	Problem Solving	Addition and Subtraction	Ages 6–8 Grades 1–3

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Word Problems 4</p> <p>Students solve word problems (1- and 2-digit addition and subtraction).</p> 	Problem Solving	Addition and Subtraction	Ages 7–9 Grades 2–4
<p>Word Problems 5</p> <p>Students solve word problems using multiplication or division.</p> 	Problem Solving	Multiplication and Division	Ages 7–9 Grades 3–5
<p>Word Problems 6</p> <p>Students solve word problems using multiplication or division.</p> 	Problem Solving	Multiplication and Division	Ages 7–9 Grades 3–5
<p>Word Problems 7</p> <p>Students solve word problems involving multi-digit addition and subtraction.</p> 	Problem Solving	Addition and Subtraction	Ages 8–11 Grades 3–5

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Word Problems 8</p> <p>Students solve word problems involving multi-digit addition and subtraction.</p> 	Problem Solving	Addition and Subtraction	Ages 8–11 Grades 3–5
<p>Word Problems 9</p> <p>Students solve word problems involving multi-digit addition and subtraction.</p> 	Problem Solving	Addition and Subtraction	Ages 8–11 Grades 4–6
<p>Word Problems 10</p> <p>Students solve word problems involving multi-digit multiplication and division.</p> 	Problem Solving	Multiplication and Division	Ages 8–11 Grades 4–6
<p>Word Problems 11</p> <p>Students solve word problems involving multi-digit multiplication and division.</p> 	Problem Solving	Multiplication and Division	Ages 8–12 Grades 4–6

Activity	Topic	Learning Trajectory / Subject	Age/Grade Range
<p>Word Problems 12</p> <p>Students solve word problems involving multi-digit multiplication and division.</p> 	Problem Solving	Multiplication and Division	Ages 8–12 Grades 4–6
<p>Workin' on the Railroad</p> <p>Students identify the length (in non-standard units) of railroad trestles they built to span a gully.</p> 	Measurement	Length Measurement	Ages 6–9 Grades PreK–1