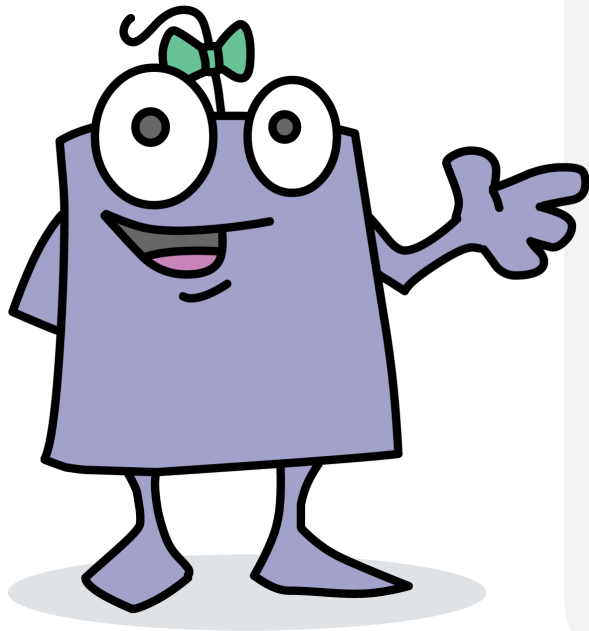


PD RESOURCE

DreamBox Learning Units by Domain Category

A list of all standards in the DreamBox Math curriculum known as DreamBox Learning Units, organized by mathematical domain and grade level.



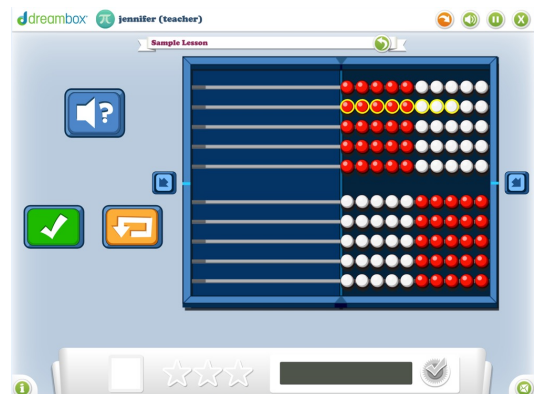
Domains by Page

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Counting

Pre-K & Kinder Build 1 to 10 Optimally
Doubles & Near Doubles
Patterning with Numbers

1st Grade Build to 20 Optimally
Build to 50 Optimally
Build to 100 Optimally



Comparisons & Ordering

- Pre-K & Kinder**
 - Compare 1 to 10
 - Identify More, Less & Equal
 - Ordering Numbers
 - Patterning with Shapes

- 1st Grade**
 - Identify More & Less Up to 100
 - Counting Forward & Backward
 - Build Columns of a 100s Chart
 - Moving on a 100s Chart
 - Comparison Symbols
 - Patterning with Shapes
 - Rounding to the Nearest Ten (Numbers to 100)

- 2nd Grade**
 - Finding Equal Expressions
 - Assessing Equality
 - Hundreds Charts to 500
 - Compare Numbers up to 500
 - Compare Numbers up to 1,000
 - Placing Multiples of -10 on a Number Line to -100

- 3rd Grade**
 - Round & Compare Whole Numbers
 - Whole Numbers on a Number Line
 - Early Equivalency I
 - Fractions on a Number Line
 - Fractions: Money & Time
 - Fractions: Choose Context
 - Make & Compare Rods

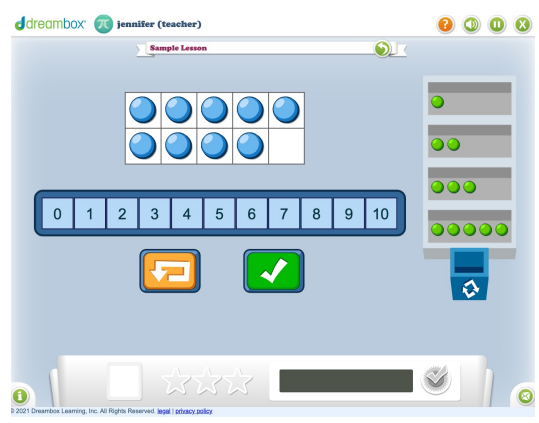
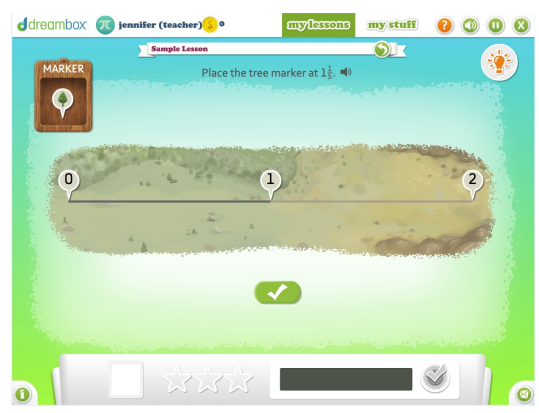
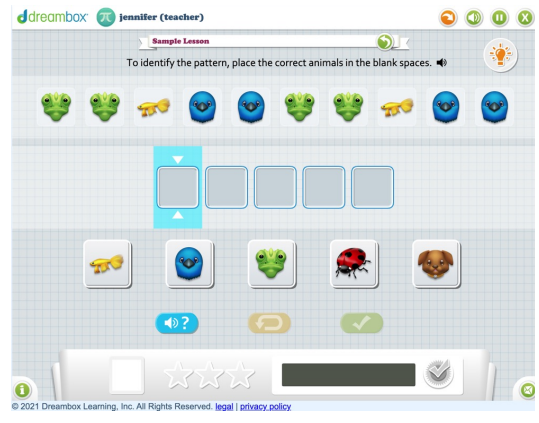
- 4th Grade**
 - Comparing Fractions 1
 - Comparing Fractions 2

- 5th Grade**
 - Equivalent Fractions on a Number Line
 - Equivalent Fractions with Scaling Factors

Addition & Subtraction

- Pre-K & Kinder**
 - Beginning Adding & Removing
 - Identifying Missing Addend
 - Identifying Number Pairs

- 1st Grade**
 - Doubling & Making 10
 - Doubling to 20
 - Using 10 as a Landmark
 - Identifying Number Pairs
 - Patterning with Numbers



Addition & Subtraction Continued

2nd Grade Add & Subtract: Landmark Numbers
 Addition: Compensation
 Identifying Missing Tens
 Subtraction: Constant Difference
 Addition: Doubling
 Adding & Subtracting Groups of Tens
 Finding Groups of Tens
 Hundreds Charts to 1000
 Identify Number Pairs up to 200
 Making Jumps of 10
 Making Jumps of 3 to 9
 Patterning with Numbers

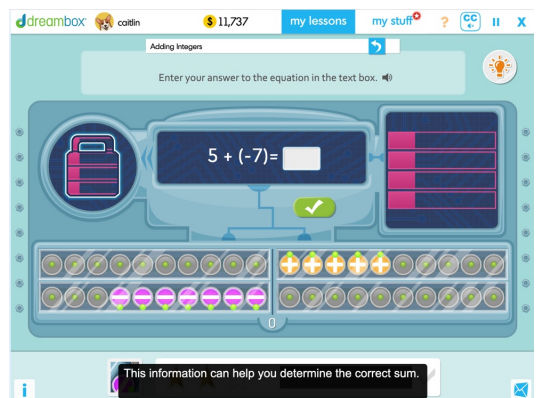
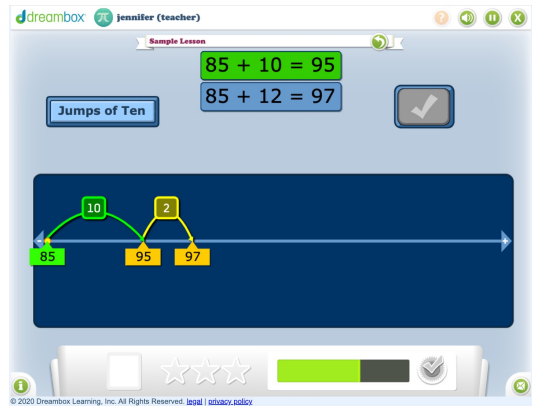
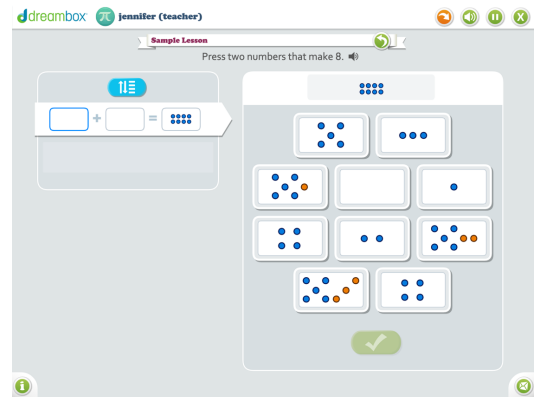
3rd Grade Add & Subtract on the Number Line
 Identify Missing Addends to 1000
 Fluency: Addition & Subtraction

4th Grade Addition Algorithm
 Subtraction Algorithm
 Whole Number Addition Strategies
 Whole Number Subtraction Strategies
 Adding or Subtracting 3 to 9
 Decomposing Fractions

5th Grade Add & Subtract Decimals
 Fluency: Fractions & Decimals
 Fraction Addition
 Subtract Fractions
 Add & Subtract Fractions with Unlike Denominators

6th Grade Add & Subtract Integers
 Decimal Addition Strategies
 Decimal Subtraction Strategies
 Fluency: Integer Sums
 Adding Integers
 Subtracting Integers
 Add & Subtract Negative Decimals
 Fluency: Rational Numbers

7th Grade Add & Subtract Integers: Automaticity I
 Add & Subtract Integers: Automaticity II

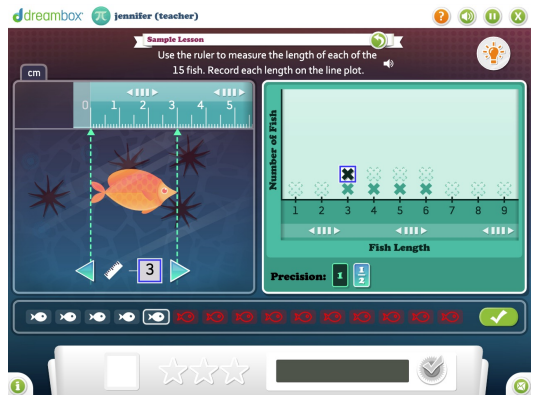
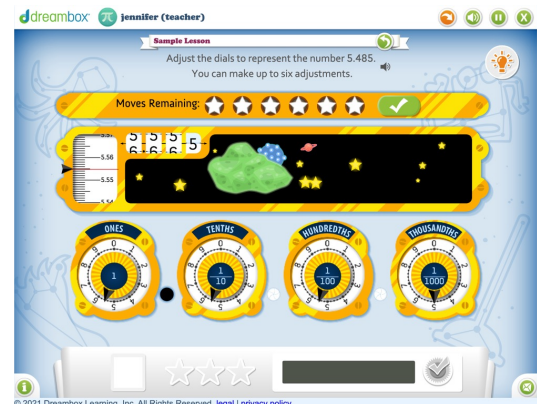
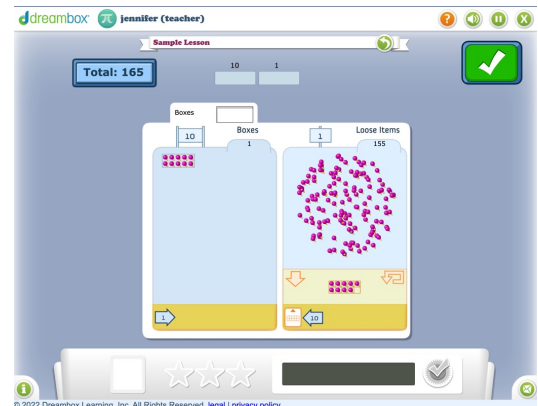


Place Value

- 1st Grade** Place Value to 100
- 2nd Grade** Place Value to 500
Place Value to 1000
- 3rd Grade** Place Value to 9,999
- 4th Grade** Decimals to the Thousandths Place
- 5th Grade** Rounding Rational Numbers
Round & Compare Fractions & Decimals
Decimal Place Value in Products & Quotients
Decimals on a Number Line
- 6th Grade** Round & Compare Rational Numbers

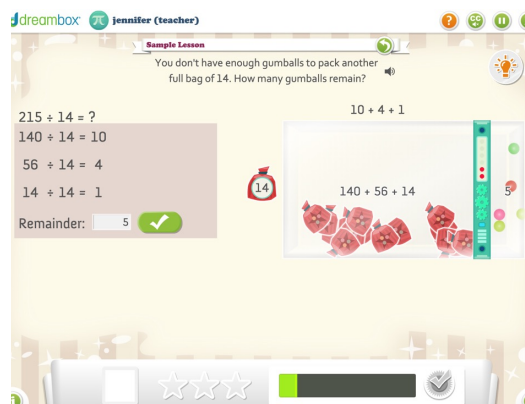
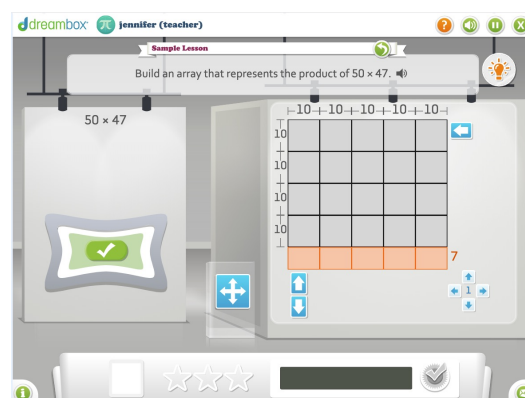
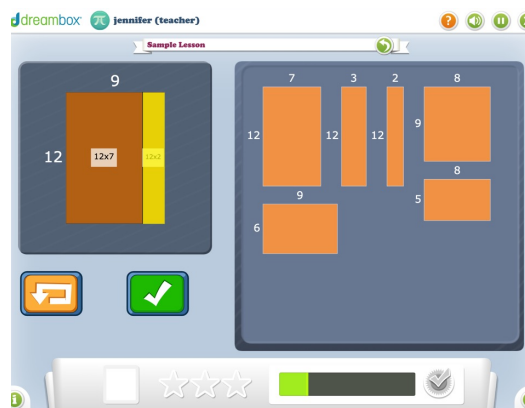
Measurement

- Kinder** Building Tally Charts
Identifying Measurable Attributes
Ordering By Height
- 1st Grade** Building Pictographs
Using Clocks & Telling Time III
Measuring Objects with Various Abstract Tools
- 2nd Grade** Measuring Objects with Various Standard Units
Building Bar Graphs
Using Clocks & Telling Time I
- 3rd Grade** Add & Subtract Time
Using Clocks & Telling Time II
Categorical Data Graphs
Line Plots I
Area & Perimeter I
Volume
Mass
Mass and Volume
- 4th Grade** Elapsed Time
Line Plots II
Area & Perimeter II
- 5th Grade** Measuring and Solving for Volume
Solving for the Volume of Prisms
Problem Solving with Volume



Multiplication & Division

- 3rd Grade**
- Multiplication: Adding or Removing Groups
 - Multiplication & Division Situations
 - Multiplication: Double & Halve
 - Multiplication: Doubling
 - Multiplication: Partial Products
 - Multiply & Divide: Ratio Table
 - Multiply by 0, 1, 5, 10 (Automaticity I & II)
 - Multiply by 2, 4, 8 (Automaticity I & II)
 - Multiply by 3, 6, 12 (Automaticity I & II)
 - Multiply by 9, 10, 11 (Automaticity I & II)
 - Multiply by 5, 15, 25: Automaticity
 - Multiply by 7, 14, 15: Automaticity
 - Patterning with Numbers
 - Partial Products using Arrays
- 4th Grade**
- Composing Arrays to 600
 - Division to 600
 - Multiplication: Mixed Strategies
 - Multiplication to 1,500
 - Multiplication with Arrays & Landmarks I
 - Multiplication with Arrays & Landmarks II
 - Multiplication with Open Arrays
 - Identifying Common Multiples
 - Identifying Factors
 - Patterning in Function Tables
 - Fractions in the Real World 1
 - Fractions in the Real World 2
 - Fraction Multiplication
- 5th Grade**
- Beyond Times Tables: Automaticity I
 - Beyond Times Tables: Automaticity II
 - Division to 10,000 with Remainders
 - Multiplication to 100,000
 - Estimate & Multiply with the Standard Algorithm
 - Multiplying Decimals with Arrays
 - Fraction Multiplication II
 - Multiply & Divide with Decimals
 - Fraction Division I
- 6th Grade**
- Division Standard Algorithm
 - The Distributive Property with Variables
 - Division Standard Algorithm: Decimals
- 7th Grade**
- Multiplying Integers
 - Dividing Integers
 - Multiply & Divide Integers: Automaticity I
 - Multiply & Divide Integers: Automaticity II



Geometry

- Kinder** Identifying Shapes
- 1st Grade** Partitioning Circles and Rectangles with halves and fourths
- 2nd Grade** Partitioning Square Units
Partitioning with halves, thirds, and fourths
Drawing Shapes
- 3rd Grade** Constructing & Measuring Polygons I
Classifying Geometric Figures
Classifying Polygons
Partitioning Shapes
- 4th Grade** Angle Measurement & Rotation
Constructing & Measuring Polygons II
Classifying Geometric Figures in a Hierarchy
Classifying Polygons in a Hierarchy
Drawing Lines of Symmetry
- 5th Grade** Compose, Add, & Subtract Angles
- 6th Grade** Advanced Angle Relationships
Coordinate Grids: Lines of Symmetry
Graphs, Tables, & Lines
The Coordinate Plane with Decimals 1
Coordinate Grids: Location & Measurement
Coordinate Grids: Plotting Points
Solving for the Area of Shapes
Matching 3D Solids to 2D Nets
Solving for the Volume and Surface Area of Rectangular Prisms
- 7th Grade** Construction & Measuring Polygons III
Angles
The Coordinate Plane with Decimals 2
Solving for the Volume and Surface Area of Prisms & Pyramids
Area and Circumference of Circles
Matching 2D Shape Slides to their 3D Solids
- 8th Grade** Coordinate Grids: Lines of Reflection
Transformations on a Coordinate Plane
The Pythagorean Theorem
Parallel Lines and Triangles
Solving for the Volume and Surface Area of Cylinders, Cones, and Spheres



Ratios & Proportions

- 6th Grade** Calculating Percentages
 Ratios in Context: Measurement
 Ratios & Multiplication
 Ratios & Division with Fractions

Expressions & Equations

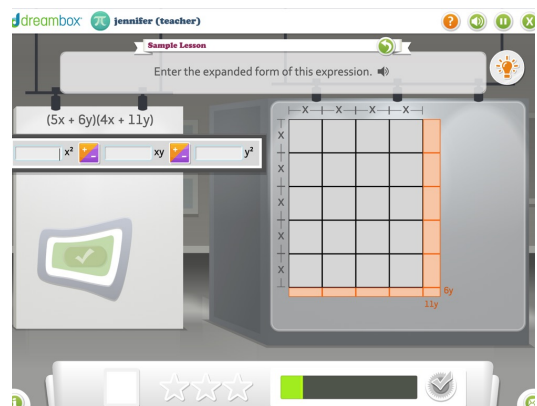
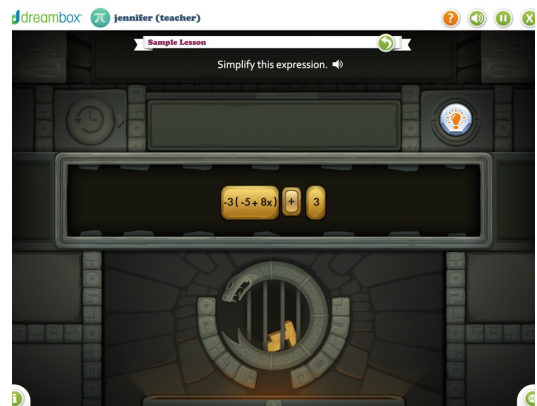
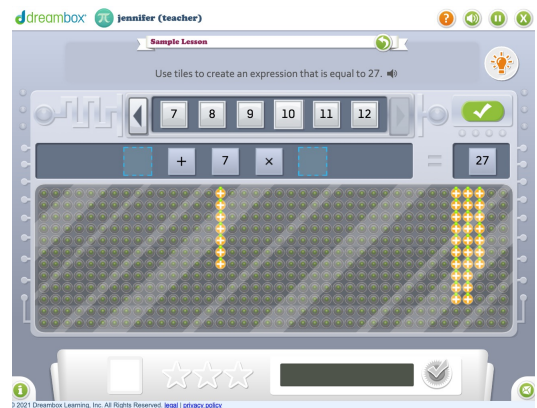
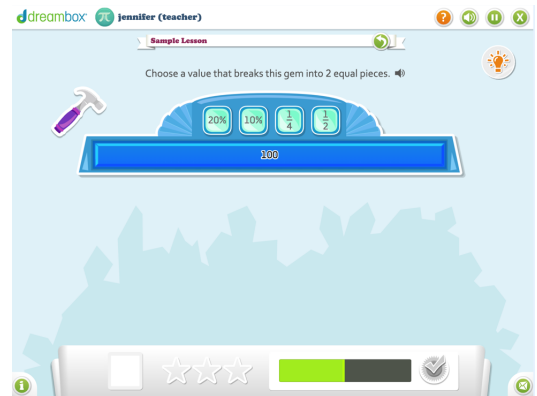
- 5th Grade** Operations Fluency 1
 Operations Fluency 2 (Parentheses)
 Order of Operations 1
 Order of Operations 2 (Parentheses)
 Translating Expressions
 Variable Expressions

- 6th Grade** Integers & Inequalities
 Round & Compare Integers
 Operations Fluency 3: Exponents
 Operations Fluency 4
 Order of Operations 3: Exponents
 Equivalent Expressions
 Analyzing Variables
 One-Step Equations & Inequalities
 Rewrite Expressions 1
 Rewrite Expressions 2

- 7th Grade** Absolute Value
 Identifying Variables
 Integer Operations 1
 Integer Operations 2
 Variable Expressions Involving Integers
 Variable Expressions with Distribution
 Scaling by Powers of Ten
 Two-Step Equations & Inequalities
 Rewrite Expressions 3
 Rewrite Expressions 4
 Rewrite Expressions 5

- 8th Grade** Linear Intersections & Intercepts
 Quadratic Expressions & Arrays I
 Scientific Notation
 Variable Expressions Involving Exponents
 Rules of Exponents
 Quadratic Expressions & Arrays II
 Radicals
 Multi-Step Equations & Inequalities

- Algebra** Factoring & Expanding Quadratics
 Multi-Variable Expressions & Arrays
 Non-Linear Intercepts & Extremes



Functions

8th Grade Applying Linear Rate of Change
Linear Graphs & Functions
Equations, Graphs, and Lines
Equations, Tables, and Lines
Linear & Local Rate of Change

Algebra Fourth & Fifth Degree Functions
Quadratic & Cubic Functions



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