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## Geometry

**Essential Skill: Recognize the shared attributes of quadrilaterals.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about quadrilaterals?</p>	<p><a href="#">Quadrilaterals Movie</a> Discover how quadrilaterals are alike and how they differ. Explore squares, rectangles, trapezoids, and more!</p>	<p><a href="#">Activity</a> Follow the key to color the robot.</p>	<p><a href="#">Quiz</a> What did you learn about quadrilaterals?</p>	<p><a href="#">Polygons</a></p>

**Essential Skill: Identify polygons including pentagon, hexagon and octagon.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about polygons?</p>	<p><a href="#">Polygons Movie</a> Explore different polygons, from quadrilaterals to nonagons!</p>	<p><a href="#">Make a Concept Map</a> Identify at least three different polygons and a detail or two about</p>	<p><a href="#">Quiz</a> What did you learn about polygons?</p>	<p><a href="#">Plane Shapes</a></p>

		each. Include a picture of each polygon.		
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**Essential Skill: Determine whether shapes are congruent or similar.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about congruent and similar shapes?</p>	<p><a href="#">Congruent and Similar Shapes Movie</a> Discover how congruent and similar shapes are alike and different.</p>	<p><a href="#">Compare the Shapes</a> Compare shapes and identify each pair as congruent, incongruent, or similar and why.</p>	<p><a href="#">Quiz</a> What did you learn about congruent and similar shape?</p>	<p><a href="#">Slides, Turns, and Flips</a></p>

**Essential Skill: Identify three-dimensional geometric shapes: cube, sphere, cone, rectangular prism, and cylinder.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a></p>	<p><a href="#">Solid Shapes Movie</a> Explore cubes, cones,</p>	<p><a href="#">Make a Concept Map</a></p>	<p><a href="#">Quiz</a> What did you learn</p>	<p><a href="#">Plane Shapes</a></p>

What do you know about solid shapes?	and other three-dimensional shapes.	Identify at least three different solid shapes, a detail about each, and a picture of it.	about solid shapes?	
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## Measurement and Data

**Essential Skill: Tell and write time to the nearest minute and measure time intervals in minutes.**

<b>Warm Up</b>	<b>Build Background</b>	<b>Think and Do</b>	<b>Assess</b>	<b>Explore More Topics</b>
<p><b><u><a href="#">Pre-Assessment: Easy Quiz</a></u></b>            What do you know about reading time to the minute?</p>	<p><b><u><a href="#">Time to the Minute Movie</a></u></b>            Learn how to read the hour and minute hands on a clock.</p>	<p><b><u><a href="#">Make a Concept Map</a></u></b>            Add three or more clock images to a map, and identify the time to the minute on each.</p>	<p><b><u><a href="#">Quiz</a></u></b>            What did you learn about time to the minute?</p>	<p><b><u><a href="#">Time to the Hour</a></u></b>  <b><u><a href="#">Time to the Quarter and Half Hour</a></u></b></p>

**Essential Skill: Draw a picture graph to represent a data set with several categories.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about pictographs?</p>	<p><a href="#">Pictographs Movie</a> Learn to read and create pictographs to organize and share data.</p>	<p><a href="#">Make a Pictograph</a> Make a pictograph using data from Moby's survey.</p>	<p><a href="#">Quiz</a> What did you learn about using pictographs to represent data?</p>	<p><a href="#">Tally Charts and Bar Graphs</a></p>

**Essential Skill: Recognize area as an attribute of plane figures and understand concepts of area measurement.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about calculating area?</p>	<p><a href="#">Area Movie</a> How do you calculate area? Watch the movie to find out!</p>	<p><a href="#">Compare and Share</a> Compare the area of two rugs and write about it.</p>	<p><a href="#">Quiz</a> What did you learn about area and how to measure it?</p>	<p><a href="#">Plane Shapes</a></p>

**Essential Skill: Solve real world and mathematical problems involving perimeters of polygons.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about calculating perimeter?</p>	<p><a href="#">Perimeter Movie</a> How do you calculate perimeter? Watch the movie to find out!</p>	<p><a href="#">Activity</a> Calculate the perimeter of different size gardens.</p>	<p><a href="#">Quiz</a> What did you learn about perimeter and how to measure it?</p>	<p><a href="#">Polygons</a></p>

## Number and Operations in Base Ten

**Essential Skill: Use place value understanding to round whole numbers to the nearest 10 or 100.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a></p>	<p><a href="#">Rounding Movie</a> Discover how to round</p>	<p><a href="#">Activity</a></p>	<p><a href="#">Quiz</a> What did you learn</p>	<p><a href="#">Place Value</a></p>

What do you know about rounding numbers to the nearest 10 or 100?	to the nearest 10 or 100.	Round each number to the nearest 10 or 100.	about rounding numbers the nearest 10 or 100?	
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**Essential Skill: Compare numbers using symbols greater than, less than or equal to.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a></p> <p>What do you know about comparing numbers?</p>	<p><a href="#">Comparing Numbers Movie</a></p> <p>Learn to compare numbers using the greater than, less than, and equal to symbols.</p>	<p><a href="#">Activity</a></p> <p>Help Moby get up the ladder by comparing numbers.</p>	<p><a href="#">Quiz</a></p> <p>What did you learn about rounding numbers the nearest 10 or 100?</p>	<p><a href="#">Rounding</a></p>

**Essential Skill: Multiply by 1 and by 0.**

Warm Up	Build Background	Think and Do	Assess	Explore More BrainPOP Jr Topics
<p><a href="#">Pre-Assessment: Easy</a></p>	<p><a href="#">Multiplying by 0 or 1</a></p>	<p><a href="#">Write About It</a></p>	<p><a href="#">Quiz</a></p>	<p><a href="#">Repeated Addition</a></p>



<p><b>Quiz</b> What do you know about multiplying by 0 or 1?</p>	<p><b>Movie</b> Explore multiplication equations using zero or one.</p>	<p>Solve the problem and write about your strategy.</p>	<p>What did you learn about rounding numbers the nearest 10 or 100?</p>	
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## Number and Operations - Fractions

**Essential Skill: Identify the numerator and denominator of a fraction.**

Warm Up	Build Background	Think and Do	Assess	Explore More BrainPOP Jr Topics
<p><b>Pre-Assessment: Easy Quiz</b> What do you know about fractions?</p>	<p><b>More Fractions Movie</b> Explore fractions, including the meaning of the numerator and denominator.</p>	<p><b>Draw About It</b> Draw a picture and write a fraction to show how much of a cake Moby ate.</p>	<p><b>Quiz</b> What did you learn about fractions?</p>	<p><b>Basic Parts of a Whole</b> <b>Equivalent Fractions</b></p>

**Essential Skill: Find equivalent fractions (e.g.  $1/2 = 2/4$ ).**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about equivalent fractions?</p>	<p><a href="#">Equivalent Fractions Movie</a> Discover equivalent fractions for one-half, one-fourth, and one-third.</p>	<p><a href="#">Make a Concept Map</a> Write the fraction one-half in the center. Identify at least three equivalent fractions.</p>	<p><a href="#">Quiz</a> What did you learn about equivalent fractions?</p>	<p><a href="#">Basic Parts of a Whole</a></p>

**Essential Skill: Divide fractions with the same denominator into equal units (e.g.  $3/4 = 1/4 + 1/4 + 1/4$  ).**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about dividing a shape into equal parts?</p>	<p><a href="#">Basic Parts of a Whole Movie</a> Explore halves, thirds, and fourths.</p>	<p><a href="#">Activity</a> Color in each section of Moby with shapes that show fractions.</p>	<p><a href="#">Quiz</a> What did you learn about equal units of a whole shape?</p>	<p><a href="#">Equivalent Fractions</a></p>

## Operations and Algebraic Thinking

**Essential Skill: Interpret whole-number quotients of whole numbers.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about making equal groups as a way to divide?</p>	<p><a href="#">Making Equal Groups Movie</a> Learn to use arrays and make equal groups to help you divide.</p>	<p><a href="#">Activity</a> Use arrays to help solve story problems.</p>	<p><a href="#">Quiz</a> What did you learn about making equal groups?</p>	<p><a href="#">Arrays</a></p>

**Essential Skill: Change addition problems into multiplication problems (e.g.  $4 + 4 + 4 = 3 \times 4$ ).**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> How can repeated</p>	<p><a href="#">Repeated Addition Movie</a> Discover how to</p>	<p><a href="#">Write About It</a> Explain how to solve Moby's multiplication</p>	<p><a href="#">Quiz</a> What did you learn about using repeated</p>	<p><a href="#">Arrays</a></p>

addition help you solve multiplication problems?	multiply by adding the same number over and over.	problem using repeated addition.	addition to help you multiply?	
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**Essential Skill: Complete fact families using the inverse relationship of addition and subtraction.**

<b>Warm Up</b>	<b>Build Background</b>	<b>Think and Do</b>	<b>Assess</b>	<b>Explore More Topics</b>
<p><a href="#"><u>Pre-Assessment: Easy Quiz</u></a> What do you know about fact families and how they can help you?</p>	<p><a href="#"><u>Addition and Subtraction Fact Families Movie</u></a> Learn how fact families can help you add and subtract.</p>	<p><a href="#"><u>Activity</u></a> Cut and paste triangles to create fact families.</p>	<p><a href="#"><u>Quiz</u></a> What did you learn about addition and subtraction fact families?</p>	<p><a href="#"><u>Making Ten</u></a></p>

**Essential Skill: Identify the divisor, dividend, quotient and remainder in a division problem.**

<b>Warm Up</b>	<b>Build Background</b>	<b>Think and Do</b>	<b>Assess</b>	<b>Explore More Topics</b>

<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about division?</p>	<p><a href="#">Dividing with Remainders Movie</a> Learn how to divide with remainders.</p>	<p><a href="#">Solve Division Story Problems</a> Solve division story problems, including the remainders.</p>	<p><a href="#">Quiz</a> What did you learn about dividing with remainders?</p>	<p><a href="#">Repeated Subtraction</a></p>
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**Essential Skill: Apply properties of operations, including addition, subtraction, multiplication, and division.**

Warm Up	Build Background	Think and Do	Assess	Explore More Topics
<p><a href="#">Pre-Assessment: Easy Quiz</a> What do you know about mathematical operations?</p>	<p><a href="#">Choosing an Operation Movie</a> Which operation should you use when? Watch the movie to find out!</p>	<p><a href="#">Make a Concept Map</a> Identify scenarios when you'd use each of the four operations.</p>	<p><a href="#">Quiz</a> What did you learn about when to use which operation?</p>	<p><a href="#">Solving Word Problems</a></p>

**Essential Skill: Solve word problems using the four operations.**

<b>Warm Up</b>	<b>Build Background</b>	<b>Think and Do</b>	<b>Assess</b>	<b>Explore More Topics</b>
<p><a href="#"><u>Pre-Assessment: Easy Quiz</u></a> What do you know about solving word problems?</p>	<p><a href="#"><u>Solving Word Problems Movie</u></a> Learn how to solve word problems using operations.</p>	<p><a href="#"><u>Story Problem Activity</u></a> Solve Moby's math problem and explain the steps you take.</p>	<p><a href="#"><u>Quiz</u></a> What did you learn about solving word problems</p>	<p><a href="#"><u>Choosing an Operation</u></a></p>