

Berlin Brothersvalley School District
Berlin High School
Math
1st Grade
3rd Nine Weeks

Big Idea(s)	Concept(s) Students will know...	Competencies Students will be able to...	Essential Questions
<p>Patterns exhibit relationships that can be extended, described, and generalized.</p> <p>Numerical quantities, calculations, and measurements can be estimated or analyzed by using appropriate strategies and tools.</p> <p>Geometric relationships can be described, analyzed, and classified based on spatial reasoning and/or visualization.</p>	<ul style="list-style-type: none"> ● Time ● Place Value ● Addition and Subtraction ● Shapes 	<ul style="list-style-type: none"> ● Tell, write and estimate time to the hour. ● Identify place value to the ones and tens ● Solve Multi-step addition and subtraction equations with and without number stories ● Identify attributes and create 2 dimensional shapes 	<p>How are relationships represented mathematically?</p> <p>What does it mean to estimate or analyze durations of time?</p> <p>How can the application of the attributes of geometric shapes support mathematical reasoning and problem solving?</p>

<p style="text-align: center;"><u>Topics</u></p> <p>Time to the hour Add 2 digit numbers Addition with 3 addends Double facts Create 2 dimensional shapes with given attributes</p> <p>Multiple step addition and subtraction with number stories</p> <p>Equivalence Place value ones and tens</p> <p>Money Pennies, dimes, dollar In relationship to place value</p> <p>Value of coins and dollar</p>	<p style="text-align: center;"><u>Approx # of weeks</u></p> <p style="text-align: center;">2 weeks</p>	<p style="text-align: center;"><u>PA Standards</u></p> <p style="text-align: center;">CC.2.4.1.A.2</p> <p>Tell and write time to the nearest half hour using both analog and digital clocks</p> <p style="text-align: center;">CC.2.3.1.A.1</p> <p>Compose and distinguish between two- and three dimensional shapes based on their attributes..</p> <p style="text-align: center;">CC.2.1.1.B.2</p> <p>Use place-value concepts to represent amounts of tens and ones and to compare two digit numbers.</p>	<p style="text-align: center;"><u>Assessment Anchors & Eligible Content</u></p> <p style="text-align: center;">NA</p>
<p style="text-align: center;"><u>Topics</u></p> <p>Fact Families Addition and subtraction</p> <p>Counting back strategies for subtraction</p> <p>Shapes Attributes Sort block by attributes (thin.thick, color, number of sides, number of vertices)</p> <p>Defining and non defining</p>	<p style="text-align: center;"><u>Approx # of weeks</u></p> <p style="text-align: center;">2 weeks</p>	<p style="text-align: center;"><u>PA Standards</u></p> <p style="text-align: center;">CC.2.2.1.A.2</p> <p>Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p style="text-align: center;">CC.2.3.1.A.1</p> <p>Compose and distinguish between two- and three dimensional shapes based on their attributes</p>	<p style="text-align: center;"><u>Assessment Anchors & Eligible Content</u></p> <p style="text-align: center;">NA</p>

<p>attributes of 2 dimensional shapes</p> <p>Finding unknown numbers with addition and subtraction</p> <p>Addition facts</p>			
<p><u>Topics</u></p> <p>Time</p> <p>Digital and Analog clocks</p> <p>Construct 2 dimensional shapes</p> <p>Defining Attributes</p>	<p><u>Approx # of weeks</u></p> <p>1 week</p>	<p><u>PA Standards</u></p> <p>CC.2.4.1.A.2</p> <p>Tell and write time to the nearest half hour using both analog and digital clocks</p> <p>CC.2.3.1.A.1</p> <p>Compose and distinguish between two- and three dimensional shapes based on their attributes</p>	<p><u>Assessment Anchors & Eligible Content</u></p> <p>NA</p>
<p><u>Topics</u></p> <p>Fractions</p> <p>Dividing into 2 equal shapes $\frac{1}{2}$</p> <p>Dividing into 4 equal shapes $\frac{1}{4}$</p> <p>Comparing fractions $\frac{1}{2}$ to $\frac{1}{4}$</p> <p>Combining 2 dimensional shapes to create composite shapes</p>	<p><u>Approx # of weeks</u></p> <p>2 weeks</p>	<p><u>PA Standards</u></p> <p>CC.2.3.1.A.2</p> <p>Use the understanding of fractions to partition shapes into halves and quarters.</p> <p>CC.2.3.1.A.1</p> <p>Compose and distinguish between two- and three dimensional shapes based on their attributes.</p>	<p><u>Assessment Anchors & Eligible Content</u></p> <p>NA</p>

<u>Topics</u>	<u>Approx # of weeks</u>	<u>PA Standards</u>	<u>Assessment Anchors & Eligible Content</u>
3 dimensional shapes Identify defining and non defining attributes of shapes Combining shapes	2 weeks	CC.2.3.1.A.1 Compose and distinguish between two- and three dimensional shapes based on their attributes.	NA

Standards Legend: Essential Important Supplementary