Berlin Brothersvalley School District
Berlin Brothersvalley Elementary School
Math
1st Grade
4th Nine Weeks

Big Idea(s)	Concept(s)	Competencies	Essential Questions
Geometric relationships can be described, analyzed, and classified based on spatial reasoning and/or visualization. Mathematical relationships can be represented as expressions, equations and inequalities in mathematical situations. Measurement attributes can be quantified, and estimated using customary and non customary units of measure.	**Students will know…** ● Measurement ● Fractions ● Comparisons	**Students will be able to…** ● Estimate and Measure objects using non standard units of measurement ● Identify, name and divide shapes into ½'s and ¼'s ● Compare numbers	How are spatial relationships, including shape and dimension, used to draw, construct, model, and represent real situations or solve problems? How is mathematics used to quantify, compare, represent, and model numbers? Why does "what" we measure influence "how" we measure?
<u>**Topics**</u> Time to the half hour Bar Graphs Interpret bar graph data Place Value Ten, ones Mentally finding ten more and	<u>**Approx # of weeks**</u> 3 weeks	<u>**PA Standards**</u> CC.2.4.1.A.1 Order lengths and measure them both indirectly and by repeating length units. CC.2.4.1.A.2 Tell and write time to the nearest half hour using both analog and	<u>**Assessment Anchors & Eligible Content**</u> NA

ten less Measurement with nonstandard units		digital clocks. **CC.2.4.1.A.4** Represent and interpret data using tables/charts. **CC.2.1.1.B.3** Use place-value concepts and properties of operations to add and subtract within 100.	
Topics Tell, model and solve number stories with 2 and 3 addends Use a calculator to add and subtract Fractions Dividing shapes into equal parts ½, ¼ Comparison of numbers	**Approx # of weeks** 3 weeks	**PA Standards** **CC.2.1.1.B.2** Use place-value concepts to represent amounts of tens and ones and to compare two digit numbers. **CC.2.1.1.B.3** Use place-value concepts and properties of operations to add and subtract within 100. **CC.2.3.1.A.2** Use the understanding of fractions to partition shapes into halves and quarters.	**Assessment Anchors & Eligible Content** NA
Topics Greater than, less than or equal to compare prices Place value of tens and ones to solve problems	**Approx # of weeks** 3 weeks	**PA Standards** **CC.2.1.1.B.2** Use place-value concepts to represent amounts of tens and ones and to compare two digit numbers.	**Assessment Anchors & Eligible Content** NA

3 dimensional shapes Composite shapes		**CC.2.1.1.B.3** Use place-value concepts and properties of operations to add and subtract within 100. **CC.2.3.1.A.1** Compose and distinguish between two- and three dimensional shapes based on their attributes.	

Standards Legend: Essential   Important   Supplementary