PA Core Mathematics Standards – Cluster Heading Matrix   **Trifold – Grades K, 1, 2**

Domain	Grade K	Grade 1	Grade 2
Counting and Cardinality	• Know number names and the count sequence. • Count to tell the number of objects. • Compare numbers.	•	•
Operations and Algebraic Thinking	• Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	• Represent and solve problems involving addition and subtraction. • Understand and apply properties of operations and the relationship between addition and subtraction. • Add and subtract within 20. • Work with addition and subtraction equations.	• Represent and solve problems involving addition and subtraction. • Add and subtract within 20. • Work with equal groups of objects to gain foundations for multiplication.
Number and Operations in Base Ten	• Work with numbers 11-19 to gain foundations for place value.	• Extend the counting sequence. • Understand place value. • Use place value understanding and properties of operations to add and subtract.	• Understand place value. • Use place value understanding and properties of operations to add and subtract.
Number and Operations—Fractions			
Measurement and Data	• Describe and compare measurable attributes. • Classify objects and count the number of objects in each category	• Measure lengths indirectly and by iterating length units. • Tell and write time. • Represent and interpret data.	• Measure and estimate lengths in standard units. • Relate addition and subtraction to length. • Work with time and money. • Represent and interpret data.
Ratios and Proportional Relationships			
The Number System			
Expressions and Equations			
Functions			
Geometry	• Identify and describe shapes. • Analyze, compare, create, and compose shapes.	• Reason with shapes and their attributes.	• Reason with shapes and their attributes.
Statistics and Probability			