

PA Core Mathematics Standards – Cluster Heading Matrix

Trifold – Grades K, 1, 2

Domain	Grade K	Grade 1	Grade 2
Counting and Cardinality	<ul style="list-style-type: none"> Know number names and the count sequence. Count to tell the number of objects. Compare numbers. 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">
Operations and Algebraic Thinking	<ul style="list-style-type: none"> Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Work with numbers 11-19 to gain foundations for place value. 	<ul style="list-style-type: none"> Extend the counting sequence. Understand place value. Use place value understanding and properties of operations to add and subtract. 	<ul style="list-style-type: none"> Understand place value. Use place value understanding and properties of operations to add and subtract.
Number and Operations—Fractions			
Measurement and Data	<ul style="list-style-type: none"> Describe and compare measurable attributes. Classify objects and count the number of objects in each category 	<ul style="list-style-type: none"> Measure lengths indirectly and by iterating length units. Tell and write time. Represent and interpret data. 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Identify and describe shapes. Analyze, compare, create, and compose shapes. 	<ul style="list-style-type: none"> Reason with shapes and their attributes. 	<ul style="list-style-type: none"> Reason with shapes and their attributes.
Statistics and Probability			