

Grade 1

As PA transitions to the PA Core Standards, the focus of Grade 1 instruction needs to shift:

Less emphasis on:	More emphasis on:
	<p>Standards for Mathematical Practice</p> <ul style="list-style-type: none"> Describe mathematical “habits of mind” Standards for mathematical proficiency: reasoning, problem solving, modeling, decision making, and engagement Connect with content standards in each grade
<p>Numbers & Operations</p> <ul style="list-style-type: none"> Use concrete objects, drawings, diagrams or models to show the concept of a fraction as part of a whole Estimate before solving 	<p>Numbers & Operations</p> <ul style="list-style-type: none"> Count to 120 starting at any number Read and write numerals to 120 Solve addition and subtraction word problems Fact fluency with addition and subtraction within 20. Understand and apply properties of operations to addition and subtraction (commutative, associative)
<p>Measurement</p> <ul style="list-style-type: none"> Compare weight and capacity of objects 	<p>Measurement</p> <ul style="list-style-type: none"> Indirectly measure and compare lengths.
<p>Geometry</p> <ul style="list-style-type: none"> Identify and draw lines of symmetry 	<p>Geometry</p> <ul style="list-style-type: none"> Decompose shapes into equal parts (halves, quarters) Compose 2- and 3-dimensional composite shapes
<p>Algebraic Concepts</p> <ul style="list-style-type: none"> Number and geometric patterns Use a rule to find a missing addend or symbol to make a number sentence true, with adult assistance. Use concrete objects, symbols and 	<p>Algebraic Concepts</p> <ul style="list-style-type: none"> Determine if addition and subtraction equations are true or false

The purpose of this document is to provide a summary of changes in emphasis as Pennsylvania transitions from the PA Academic Standards to the PA Core Standards. This is not intended to be a curriculum guide or is it inclusive of all grade levels standards - only to identify shifts in emphasis of instruction.

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<p>numbers to represent mathematical situations.</p>	
<p><u>Data Analysis & Probability</u></p> <ul style="list-style-type: none"> • Gather data, draw conclusions and identify patterns based on data displayed in a graph. • Probability, predictions and outcomes • List or graph the possible results of an experiment 	<p><u>Data Analysis & Probability</u></p>

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