

Standards Matrix: Chaperones

TASK: Chaperones Grades K - 2	H = S =	U = C =	H = S =	U = C =	H = S =	U = C =	H = S =	U = C =
Student's Holistic or Analytical Score:	H = S =	U = C =	H = S =	U = C =	H = S =	U = C =	H = S =	U = C =
STRAND: Number Sense and Operations								
KINDERGARTEN								
Demonstrates 1 -to- 1 correspondence by keeping track of quantities while counting.								
Creates a set of a given size.								
Connects numerals to the quantities they represent.								
Demonstrates that the meaning of a number does not change no matter how objects are grouped.								
Combines and separates sets of objects with quantities and identifies the parts and the whole.								
Describes a quantity using the terms more, less, and the same.								
Represents numbers in a variety of equivalent ways (e.g., dots, pictures, numerals).								
Combines and separates 2 single-digit numbers using pictures, stories, and objects to model the situation.								
Records numerical information using pictures, words, and/or numbers.								

<p>Identifies equal shares in examples of models partitioned with equal and unequal parts (e.g., share 12 M&M candies among 3 friends, share 11 apples among 5 friends).</p>								
<p>Uses estimation and other methods to justify whether or not an answer is reasonable (e.g., using a small container, would 25 marbles fit?).</p>								
<p style="text-align: center;">GRADE 2</p>								
<p>Applies patterns in skip counting; compares and defends the relationship between skip counting, grouping, and equal sets.</p>								
<p>Analyzes relationships of quantities to 20 using part – part - whole (e.g., 1+7, 2+6, 3+5, 4+4: all equal 8.).</p>								
<p>Makes and defends a reasonable estimate of quantities up to 200 in problem situations.</p>								
<p>Uses and explains multiple strategies to solve addition and subtraction problems using 2-digit numbers with and without re-grouping.</p>								
<p>Decomposes and recombines numbers in logical ways to solve problems (e.g., $8 + 5 = (3 + 5) + 5 = 3 + 10 = 13$).</p>								

APS Mathematics Standards Matrix:

K - 12 Global Mathematical Processes

KINDERGARTEN - 12									
Develops resourcefulness and perseverance in problem solving in mathematics and other disciplines.									
Recognizes when to use previously learned strategies to solve new problems.									
Develops and uses strategies for solving given problems.									
Monitors and reflects on the process of mathematical problem solving.									
Makes and investigates mathematical conjectures and uses them successfully in developing and evaluating mathematical arguments and proofs.									
Uses the concept of counterexample to test the legitimacy of an argument.									
Develops a logical sequence of arguments leading to a valid conclusion or solution to a problem (statement/reasons, proof, informal proof, and algebraic steps).									
Works in teams to share ideas, to develop and coordinate group approaches to problems, and to share from each other in communicating findings.									
Relates applications to mathematical language in various modalities.									

Communicates mathematical thinking coherently and clearly to others.									
Analyzes and evaluates mathematical thinking and strategies of others.									
Identifies and connects functions with real-world applications.									
Identifies how seemingly different mathematical situations may be essentially the same (e.g. the intersection of two lines is the same as the solution to a system of linear equations).									
Investigates and explains the mathematics required for various careers.									
Recognizes and applies mathematics in contexts outside the mathematics course.									
Develops a repertoire of mathematical representations that can be used purposefully, and appropriately interchangeably (e.g. oral pictures, written symbols, oral language, real-world situations, and manipulative models).									
Selects, applies, and translates among mathematical representations to solve problems.									
Uses representations to model and interpret physical, social, and mathematical phenomena.									