

COMMON CORE STATE STANDARDS FOR MATHEMATICS

WCPS Pre-Kindergarten

PK.CC: Counting and Cardinality		
A. Know number names and the count sequence.		
M	PK.CC.1	Count verbally to 10 by ones.
M	PK.CC.2	Recognize the concept of just after or just before a given number in the counting sequence up to 10.
M	PK.CC.3	Recognize written numerals 0-10.
B. Count to tell the number of objects.		
M	PK.CC.4a	When counting objects, say the number names in the standard order, pairing each object with one and only one number name (one-to-one correspondence).
M	PK.CC.4b	Recognize that the last number name said tells the number of objects counted (cardinality).
M	PK.CC.4c	Recognize that each successive number name refers to a quantity that is one larger.
M	PK.CC.5	Represent a number (0-5, then to 10) producing a set of objects with concrete materials, pictures, and/or numbers (with 0 representing a count of no objects).
M	PK.CC.6	Recognize the number of objects in a set without counting (subitizing). Use 0-5 objects.
C. Compare numbers.		
M	PK.CC.7	Explore relationships by comparing groups of objects up to 10, to determine greater than/more or less than, and equal to /same.
M	PK.CC.8	Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g. by using matching and counting strategies. Includes groups with up to 5 objects.
PK.OA Operations & Algebraic Thinking		
A. Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.		
M	PK.OA.1	Explore addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g. claps), acting out situations, or verbal explanations.
M	PK.OA.2	Decompose quantity (less than or equal to 5, then to 10) into pairs in more than one way (e.g., by using objects or drawings).
M	PK.OA.3	For any given quantity from (0 to 5, then to 10) find the quantity that must be added to make 5, then to 10, e.g. by using objects or drawings.
PK.NBT Number and Operations in Base Ten		
A. Work with numbers 0-10 to gain foundations for place value.		
M	PK.NBT.1	Investigate the relationship between ten ones and ten.

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PK.MD Measurement and Data		
A. Describe and compare measurable attributes.		
S	PK.MD.1	Describe measurable attributes of objects, such as length or weight.
S	PK.MD.2	Directly compare two objects with a measurable attribute in common, using words such as longer/shorter; heavier/lighter, or taller/shorter.
B. Classify objects and count the number of objects in each category.		
A	PK.MD.3	Sort objects into given categories.
A	PK.MD.4	Compare categories using words such as <i>greater than/more, less than, and equal to/same</i> .
PK.G Geometry		
A. Identify and describe two-dimensional shapes (circles, triangles, rectangles; including a square which is a special rectangle).		
S	PK.G.1	Match like (congruent and similar) shapes.
S	PK.G.2	Group shapes by attributes.
S	PK.G.3	Correctly name shapes (regardless of their orientations or overall size).
B. Work with three-dimensional shapes to gain foundation for geometric thinking.		
A	PK.G.4	Match and sort (three-dimensional) shapes.
A	PK.G.5	Describe three-dimensional objects using attributes.
A	PK.G.6	Compose and describe structures using three-dimensional shapes. Descriptions may include shape attributes, relative position, etc...