

Instructional Activities to Observe Kindergartners' Mathematics Skills



Illustrative Mathematics can be found at <http://www.illustrativemathematics.org>. The number to the left refers to the objective and dimension that is assessed in WaKIDS through *Teaching Strategies GOLD*[®]. Links to activities from the Illustrative Mathematics site provide examples of strategies teachers could use to elicit evidence of kindergartners' math strengths.

The indicators within each objective are listed from top to bottom in a developmental progression consistent with *Teaching Strategies GOLD*[®].

Objective	<i>Teaching Strategies GOLD</i> [®] Indicator	Common Core State Standard Activities
20a	Verbally counts to 20	K.CC Assessing Counting Sequences Part 1
	Counts 10-20 objects accurately	K.CC Counting Cup (extend to number needed) K.CC Number Rods K.CC Goody Bags
	Knows the last number states how many in all	K.CC Goody Bags
	Tells what number (1-10) comes next in order by counting	K.CC Assessing Counting Sequences Part II
	Uses number names while counting to 100	K.CC Choral Counting (whole class or individual) K.CC Assessing Counting Sequences Part I (adjust for count to 100)
	Counts 30 objects accurately	K.CC Counting Cup (extend to 30) K.CC Goody Bags
	Tells what number comes before and after a specified number up to 20	K.CC "One More" Concentration (cards can be made to 20) K.CC Assessing Counting Sequences Part II (can ask for number 'before')

20b	Makes sets of 6-10 objects and describes the parts	K.OA What's Missing? (extend up to 10) K.OA Shake and Spill (extend up to 10) K.OA Make 9
	Identifies which part has more, less, or same (equal)	K.CC More and Less Handfuls (count the two handfuls and decide more or less before combining them) K.CC Biggest Number Wins
	Counts all or counts on to find out how many	K.OA Dice Addition 2
	Uses a variety of strategies (counting objects or fingers, counting on, or counting back) to solve problems with more than 10 objects	K.NBT What Makes a Teen Number?

20c	Identifies numerals to 10 by name Connects each [numeral to 10] to counted objects	K.CC Find the Numbers 0-5 or 5-10
	Identifies numerals to 20 by name Connects each [numeral to 20] to counted objects	K.CC Bags of Stuff (use numeral cards to match the quantity in the bag)

Instructional Activities to Observe Kindergartners' Mathematics Skills

Objective	Indicator	Common Core State Standard
21b	Describes basic two- and three-dimensional shapes by using own words	K.G <u>Alike or Different Game (can be extended by using 3-D shapes)</u>
	Recognizes basic shapes when they are presented in a new orientation	K.G <u>Shape Sequence Search</u> K.G <u>Shape Hunt 1</u>
	Shows that shapes remain the same when they are turned, flipped, or slid	K.G <u>Alike or Different Game (can be extended to check for similar shapes that are in different orientations)</u>
	Breaks apart or combines shapes to create different shapes and sizes.	

22	Uses multiples of the same unit to measure	
	Uses numbers to compare	K.MD <u>Sort and Count II</u>
	Knows the purpose of standard measuring tools	K.MD <u>Which is heavier? (use of scale)</u>
	Uses measurement words and some standard measurement tools accurately	K.MD <u>Which weighs more? Which weighs less? (use a balance scale to "test" guesses)</u>
	Uses ordinal numbers from <i>first</i> to <i>tenth</i>	