



Kindergarten Unit 3: How Many? (Numbers Up to 20)



Overview:

In this unit, students will extend the work with numbers and quantities as they explore and count sets of objects up to 20. They will begin to explore sets up to 20 as they see the numbers as 10 and some more. They will use numerals 0 - 20 to represent the number of objects and be able to count out a given number of objects. Students will compare two sets of objects using the phrases “greater than,” “less than”, or “the same as.” When given a number 1-20, they will be able to say the number that is one more than or one less than the number. They will count forward to 100 by ones, and backward from 20. In order to see the sequence in counting by tens, students will count to 50 by tens. Students will identify pennies, nickels, and dimes and know their value. They will ask questions and answer them as they explore coins.

Learning Targets:

In Unit 3, students will:

- Count up to 20 objects in a variety of structured and scattered arrangements.
- Count the total quantity in a set regardless of the arrangement and order.
- Identify pennies, nickels, and dimes and know their name and value.
- Count forward to 100 by tens and ones and backward from 20 by ones.
- Describe numbers from 11 to 19 as ten ones and some more ones.
- Identify written numerals 0- 20 and represent a number of objects with a written numeral
- Compare two sets of up to 10 objects using the words “greater than,” “less than,” or “the same as”.
- Classify and sort up to ten objects into categories
- Ask questions and answer them based on gathered information, observations, and appropriate graphical displays to solve problems relevant to everyday life.

Key Vocabulary: (linked to GA DOE Interactive Glossary)

backward	cardinality	compare	count	data	different
dice (dot cube)	five/ten frame	forward	greater than	less than	number
number path	numeral	object	order	quantity	Rekenrek
same	sequence	set	strategy	the same as	subitize
One-to-one correspondence					

Supporting Resources:

<http://ctlslearn.cobbk12.org/>

<https://www.mathlearningcenter.org/apps/number-rack>

<https://gavirtual.instructure.com/courses/33668#modules>

<https://www.mathlearningcenter.org/apps/number-frames>

<https://tangmath.com/tenframemania>

<https://www.geogebra.org/m/av6psbf7#material/atqafvgj>

