Grade 1 Vocabulary/ Representation					
Vocabulary	Description	Representation			
Number Bonds	Number bond uses a part-whole- part concept to present the relation between the 3 numbers.	whole part $5+3=8$			
Number Path	Number Paths are from 1-10 and represent addition and subtraction. For example 6 and 3 more is 9 or 9 and 6 less is 3.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
Rekenrek	Rekenreks represent 10 more or 10 less used in addition and subtraction for base 10.	Rekenrek			
Addition Chart	Addition Charts represent patterns in addition such as doubles one more one less, and 10 more and 10 less.	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			
Expression	Expression represent a mathematical equation.	6 + 3 = 9 9 - 6 = 3			
5 Group Columns	5 group columns represent 5 more or 5 less.	a ten represented as a 5-group column			

Grade 1 Vocabulary/ Representation					
Vocabulary	Descr	iption	Representation		
Compose And Decompose (Addition & Subtraction)		Composing Numbers are number that are put together to create one number. For example; 300 + 30+3 = 331. Decomposing means to take apart a number for example; 333 = 300 + 30 +3.			
Level 1: Count all	Level 2: Count on	Level 3: [	Decompose an addend to compose		
$\begin{array}{c} \hline \hline$					
Comparison	Comparing nu are greater tha and represent numbers using column.	mbers that an or less that ing the g a 5 group	18 is less than 21		
Arrow Notation	Greater than and less a number represented by an arrow and 10 more or 10 less.		$26 \xrightarrow{+10} 36$ 26 is ten more then 36		
Place Value Chart	The value of a according to t holds.	number he place it	tens ones		



Grade 1 Vocabulary/ Representation						
Vocabulary	Description		Representation			
Tape Diagram	Tape diagrams show the relationship between two quantities.		$   \begin{array}{c}     12 \\     \hline                               $			
Commutative Property	Commutative property means order does not matter the expression is equivalent.		6+3=9 3+6=9 9=6+3 9=3+6			
Centimeter Cubes and String Centimeter length of ot		Centimeter cu length of objec	bes and string measure the cts.			
Hy crayon is shorter than the string. The string is shorter than the book so my crayon is shorter then the look, too! I have a cube as a length unit my crayon measures q cubes long. T lay my cubes along a ruler and it is the is individual briefs is individual briefs the components.						

