First Grade Number Sense
Mathematics Expectations and Related Games

First Grade Expectations - Forward and Backward Sequences

- Count forward and backward from any number to 120 by ones
- Count forward and backward by tens (within 120) on and off the decade (40, 50, 60, ... or 42, 52, 62, …)
- Can identify the number just before or just after any number less than 120

Games to play that focus on these standards:

- Rote Counting
- Grab and Count
- Sequence Strips
- Number Cards
- Before and After

First Grade Expectations - Symbolic Notation

- Write numbers from 0 to 120
- Read numbers from 0 to 120
- Represent a number of objects with a written numeral 0-120

Games to play that focus on these standards:

- Race to the Bottom
- Matching
- Naming Numbers
- Writing Numbers

First Grade Expectations - Groupings/Place Value

- Can identify numbers 0 through 20 in tens or twenty frames (using familiar patterns of 5 or 10)
- Find partners for 0 to 10 that equal 10 when added to the given number (Example: use objects and/or drawings to show that 1 + 9 = 10 and 3 + 7 = 10)
- Find partners for 0 to 20 that equal 20 when added to the given number
- Understands that the two digits of a two digit number represent the amount of tens and ones (63 is 6 tens and 3 ones)
- Can identify ten more and ten less than any number less than 120

Games to play that focus on these standards:

- Mystery Cup
- Math Hands
- Swat
- Concrete Number Line (Beads)
- Tens in the Pool

First Grade Expectations - Estimation/Magnitude

- Order numbers within 0 to 120 (Sequential: 28, 29, 30, 31, … or non-sequential: 17, 25, 32, 54)
- Compare numbers within 120 (37 < 76, 12 = 12, or 87 > 46)
- Identify "about how many" in a group of objects (using 5 or 10 as a referent)

Games to play that focus on these standards:

- Ordering Number Path
- Ordering Non-Sequential Numbers
- Compare
- Grab and Estimate

First Grade Expectations – Operations and Equality

- Can add and subtract within 20 fluently (using strategies such as counting on, making 10, decomposing numbers, using the relationship between addition and subtraction, or using equivalent or known sums (within 3 seconds)
- Understands the meaning of the equal sign and determines if equations are true or false

Games to play that focus on these standards:

- Find the Sum
- True and False