Adapted from Kathy Richardson's *Assessing Math Concept Series, 2002*

Student Name_____

Formative Assessment Task #3 - Student

NOTE: If the student is able, this can be administered with Task#2.
If the student is unable, administer on another day when he/she is ready.

Concept 1: One More/One Less

CC Standard: KCC6 - *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.*

Materials: counters

Goal: The student demonstrates knowledge of "one more" and "one less" for increasingly large numbers.

Procedure: Decide on the number of counters to start with by using the number they counted out in Task#2 (5, 9, 18, or 29). Add one counter to the set and ask **"How many now?"** Add up to **4** counters, one at a time. Then take away one counter from the set you started with and ask **"How many now?"** Take away up to **5** counters total, one at a time. Record responses.

NOTE: If the student starts to count the set from 1, begin with a smaller number and repeat until you determine which numbers plus one/minus one the student knows instantly.

ASSESSMENT RESULTS

Directions: *Record results by writing the date in the appropriate column. The column depends on how many counters the student was given for the assessment.*

One More/One Less in sequence	Start with 5		Start with 9		Start with 18		Start with 29	
	+1	-1	+1	-1	+1	-1	+1	-1
I Knows without counting								
W Knows some								
N Always counts/ guesses								

	+1 not in sequence to 18	-1 not in sequence to 20	EXTENTSION Over the 20s	EXTENTSION 100 and beyond
I Knows without counting				
W Knows some				
N Always counts/ guesses				

Prompts	Start with 5	Start with 9	Start with 18	Start with 29
One More – In sequence *(Start with the number of counters used in Task#2, i.e. 5, 9, 18, or 29. Add one counter at a time. Use 4 counters total.)* 1. ASK: **"How many now?"** *(Write responses on lines.)*	**5 plus 1** _____ **6 plus 1** _____ **7 plus 1** _____ **8 plus 1** _____	**9 plus 1** _____ **10 plus 1** _____ **11 plus 1** _____ **12 plus 1** _____	**18 plus 1** _____ **19 plus 1** _____ **20 plus 1** _____ **21 plus 1** _____	**29 plus 1** _____ **30 plus 1** _____ **31 plus 1** _____ **32 plus 1** _____
(Circle observations.)	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses
One Less – In sequence *(Start with the number of counters used in Task#2, i.e. 5, 9, 18, or 29. Take away one counter at a time. Up to 5 counters total.)* 2. ASK: **"How many now?"**	**5 take away 1** _____ **4 take away 1** _____ **3 take away 1** _____ **2 take away 1** _____ **1 take away 1** _____	**9 take away 1** _____ **8 take away 1** _____ **7 take away 1** _____ **6 take away 1** _____ **5 take away 1** _____	**18 take away 1** _____ **17 take away 1** _____ **16 take away 1** _____ **15 take away 1** _____ **14 take away 1** _____	**29 take away 1** _____ **28 take away 1** _____ **27 take away 1** _____ **26 take away 1** _____ **25 take away 1** _____

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(Circle observations.)	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses
Prompt	**Start with 3**	**Start with 6**	**Start with 11**	**Start with 17**
One More – NOT in sequence 3. ASK: **"What if we had _____ and added 1 more?"** *(Write responses on lines.)*	**Plus 1 _____**	**Plus 1 _____**	**Plus 1 _____**	**Plus 1 _____**
(Circle observations.)	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses

Prompt	**Start with 5**	**Start with 9**	**Start with 13**	**Start with 16**	**Start with 20**
One Less – NOT in sequence 4. ASK: **"What if we had _____ and took 1 away?"** *(Write responses on lines.)*	**Take away 1** _____	**Take away 1** _____	**Take away 1** _____	**Take away 1** _____	**Take away 1** _____
(Circle observations.)	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses	**I** Knows without counting **W+** Usually knows **W** Usually counts **N** Always counts **N-** Guesses

EXTENSION – If the student knows one more/one less to 20 (not in sequence), determine if the student knows this for larger numbers.

Prompt	**Start with 39**	**Start with 49**	**Start with 59**	**Start with 109**	**Start with 199**
One More 5. ASK: **"What if we had _____ and added 1 more?"** *(Write responses on lines.)*	**Plus 1 _____**	**Plus 1 _____**	**Plus 1 _____**	**Plus 1 _____**	**Plus 1 _____**
Prompt	**Start with 50**	**Start with 80**	**Start with 100**	**Start with 110**	**Start with 300**
One Less 6. ASK: **"What if we had _____ and took 1 away?"** *(Write responses on lines.)*	**Take away 1** _____	**Take away 1** _____	**Take away 1** _____	**Take away 1** _____	**Take away 1** _____

Indicators

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Prompts 1, 2, 3 and 4	
I Knows without counting	*Student knows "one more" or "one less" accurately for all the numbers asked.*
W + Usually knows	*Student knows "one more" or "one less" most of the time. Occasionally forgets a number, or as the numbers get larger is not sure of the sequence and has to think about it or counts all of it.*
W Usually counts	*Student sometimes knows "one more" or "one less" for a few steps, but not able to continue for the whole sequence. Forgets the counting sequence and starts from one.*
N Always counts	*Student is not able to start in the middle of the counting sequence. Starts at the number 1 each time.*
N - Guesses	*Student randomly gives a number just to answer, or doesn't know*