Cumulative 3rd Grade Math Screener_{v4}

Fall	Winter	Spring
/10	/22	/36
Benchmark 8	Benchmark 17	Benchmark 28

Student Name _____Date _____ , _____, _____

                                                          F   W   S

> **Fluent:** Time between numbers is consistent, Students are not waiting twice as long when crossing the decades, Can self-correct when skipped a number 1 time
> **Not Fluent:** Skips numbers often, even though they self-correct, Counts very slow, Needs a lot of think time between numbers
> **Unsuccessful:** Cannot complete sequence, Skips numbers and doesn't self-correct

Fall

Sub - Totals	NID	SN	A/S	CPV	M/D	FRA
Fall						
Winter						
Spring						

1. **Numeral Identification (NID)**

    Place cards in front of child one at a time, not in numerical order.

      "Read this card to me." (check if correct; record incorrect answers)

        592_____   **934**_____   **1000**_____   **629**_____   **850**_____

                          Number of correct: 5 (2 pts) 3-4 (1 pt) 0-2 (0 pts)   **NID Points**_____ _____ _____
                                                                                 F   W   S

2. **Structuring Number (SN)**

      "What goes with 13 to make 20?" _____ (=7) **"What goes with 16 to make 20?"**_____ (=4)

    *Both correct – **no counting** (2 pts)*
    Both correct - counted some or all (1 pt)
    0-1 correct (0 pts)   **SN Points**_____ _____ _____
                                                                                    F   W   S

3. **Addition and Subtraction (A/S)**

      Show card: 21-7, **"Read this card and solve the problem."** (=14)
      Show card: 45+19, **"Read this card and solve the problem."** (=64)

    Both correct & solved using non count by 1 strategies (2 pts)
    Both correct but counted on/down or used the standard algorithm to solve (1 pt)
    One or both incorrect (0 pts)   **A/S Points**_____ _____ _____
                                                                                   F   W   S

4. **Conceptual Place Value (CPV)**

      "A bicyclist is training for a race along a road. She rode 29 miles and then rested. She then rode another 34 miles. How many miles did she ride in all?" (You can write out story problem for them.) (=63)

    Correct & solved using non count by 1 strategies (2 pts) Correct but counted on/down or
    used the standard algorithm to solve (1 pt) Incorrect (0 pts)   **CPV Points** _____ _____ _____
                                                                                         F   W   S

5. **Multiplication and Division (M/D)**
      Show a 4 by 6 array (all items in the array are visible). **"How many dots are there?"** (=24)

    Correct and stress or skip counts (2 pts)   Correct but counts by 1s without attending
    * to the groups (1 pt) Incorrect (0 pts)*   **M/D Points** _____ _____ _____
                                                                                       F   W   S

Winter
*Reassess Fall if needed and include fall points in winter score

6. **Numeral Identification (NID)**

   Place cards in front of child one at a time, not in numerical order.
   "Read this card to me." (check if correct; record incorrect answers)

   3,106_____   212_____   577_____   3,000_____   1,004_____

   Number of correct: 5 (2 pts) 3-4 (1 pt) 0-2 (0 pts)   **NID Points**_____ _____

   W   S

7. **Addition and Subtraction (A/S)**

   Show card: 145+19, **"Read this card and solve the problem."** (=164)
   Show card: 250-24, **"Read this card and solve the problem."** (=226)

Both correct & solved using non count by 1 strategies (2 pts)
Both correct but counted on/down or used the standard algorithm to solve (1 pt)
One or both incorrect (0 pts)   **A/S Points**_____ _____

   W   S

8. **Conceptual Place Value (CPV)**

   "Count by 10s starting at 24" (stop at 114)

   Fluent (2 pts) Not fluent (1 pt) Unsuccessful (0 pts)   **CPV Points**_____ _____

   W   S

9. **"On vacation you drove 147 miles on the first day. On the second day you drove 104 miles. How many total miles did you drive?"** (You can write out story problem for them.) (=251)

Correct & solved using non count by 1 strategies (2 pts) Correct but counted on/down or
 used the standard algorithm to solve (1 pt) Incorrect (0 pts)   **CPV Points** _____ _____

   W   S

10. **Multiplication and Division (M/D)**

   Place our 4 cards. **"Imagine there are 3 dots under each card. How many dots are there all together? (=12) Can you tell me a multiplication equation that goes with the cards and dots?"** (=3x4 or 4x3)

Both Correct (2 pts) 1or both incorrect (0 pts)   **M/D Points**_____ _____

   W   S

11. **Multiplication and Division (M/D)**

   Show a 3 by 5 array with only the top row and first column showing.
"How many dots are on this card, including the ones that are covered?" (=15)
You many quickly show them the dots underneath the cover.

Correct and stress or skip counts (2 pts) Correct but counts by 1s without attending
   to the groups (1 pt) Incorrect (0 pts)   **M/D Points** _____ _____

   W   S

Spring
*Reassess Fall/Winter if needed and include fall/winter points in spring score

12. **Numeral Identification (NID)**

   Place cards in front of child one at a time, not in numerical order.
   "Read this card to me." (check if correct; record incorrect answers)

   1,539_____ **2,056**_____ **4,008**_____ **5,999**_____ **8,502**_____

   Number of correct: 5 (2 pts) 3-4 (1 pt) 0-2 (0 pts) **NID Points**_____

   S

13. **Addition and Subtraction (A/S)**

   Show card: 299+301, **"Read this card and solve the problem."** (=600)
   Show card: 400-198, **"Read this card and solve the problem."** (=202)

   Both correct & solved using non count by 1 strategies (2 pts)
   Both correct but counted on/down or used the standard algorithm to solve (1 pt)
   One or both incorrect (0 pts) **A/S Points**_____

   S

14. **Conceptual Place Value (CPV)**

   "How many groups of ten are in 200?" (=20)

   Correct (2 pts) Incorrect (0 pts) **CPV Points** _____

   S

15. **Multiplication and Division (M/D)**

   Show card: 8 x 7, **"Read this card and solve the problem."** (=56)

   Correct (knows the answer without having to work it out (2 pts)   Correct but stress
   or skip counts (1 pt) Incorrect (0 pts) **M/D Points** _____

   S

16. **Multiplication and Division (M/D)**

   "If 24 pieces of candy are shared among 4 children, how many pieces would each child get?" (You can write out story problem for them.) (=6)

   Correct (knows the answer without having to work it out (2 pts)   Correct but stress
   or skip counts (1 pt) Incorrect (0 pts) **M/D Points** _____

   S

17. **Fractions (FRA)**

   "Name all of the figures that show three-fourths." (=B, D, E, F)
   Number of correct: 4 (2 pts); 2-3 (1 pt); 0-1 (0 pts) **FRA Points**_____

   S

18. **"Name the fraction marked with an "X" on the number line** (=2/6)

   Correct (2 pts) Incorrect (0 pts) **FRA Points**_____

   S