

Cumulative 2nd Grade Math Screener_{v4}

Fall	Winter	Spring
/14	/26	/36
Benchmark 11	Benchmark 20	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

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)

99 _____ 109 _____ 115 _____ 110 _____ 104 _____

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

2. Forward Number Word Sequence (FNWS)

“What comes right after... 99 _____ 109 _____ 115 _____ 76 _____ 119 _____

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

3. Backward Number Word Sequence (BNWS)

“What comes right before... 33 _____ 41 _____ 60 _____ 99 _____ 76 _____

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

4. Structuring Number (SN)

“What goes with 6 to make 10?” _____ (=4) “What goes with 3 to make 10?” _____ (=7)

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

5. Addition and Subtraction (A/S)

Show card: 9+5, “Read this card and solve the problem.” (=14)

Show card: 12-3, “Read this card and solve the problem.” (=9)

Both correct and counted on/down or structured to solve, (2 pts) Both correct but counted from 1 to solve (1 pt)

One or both incorrect (0 pts)

A/S Points _____
F W S

6. Conceptual Place Value (CPV)

Establish there are 10 sticks in a bundle. Put out 1 bundle, “How many?” _____ (=10), cover. Put 3 sticks next to the covered bundle, “If you add these to your bundle, now how many?” _____ (=13). Cover all 13. Continue adding the following and asking “How many now?” and then cover each time.

Add 2 bundles _____ (=33), Add 1 bundle and 5 sticks _____ (=48). You can remind them how many are under the cover if they forget and ask.

4 Correct (2 pts) 3 Correct (1 pt) 0-2 Correct (0 pts) **CPV Points** _____
F W S

7. Multiplication and Division (M/D)

Put 20 counters randomly spread out in front of the student (don't tell them how many there are). “Use these counters to make 4 groups with 3 counters in each group.” _____ Once the student makes their groups, remove the extra counters.

“How many counters are there in all?” _____ (=12)

Correct (2 pts) Incorrect (0 pts) **M/D Points** _____
F W S

Winter

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

8. 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)

166_____ 371_____ 290_____ 417_____ 454_____

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

9. Structuring Number (SN)

“What two numbers go together to make 14?” _____ Another two?” _____

Both correct – **no counting** (2 pts)

Both correct - counted some or all (1 pt)

0-1 correct (0 pts)

SN Points _____
W S

10. Addition and Subtraction (A/S)

Show card: $7+6$, “Read this card and solve the problem.” (=13)

Show card: $15-7$, “Read this card and solve the problem.” (=8)

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

11. 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

12. Conceptual Place Value (CPV)

Establish there are 10 sticks in a bundle. Put out 1 bundle and 2 sticks,

“How many?” _____ (=12), cover. Put 2 bundles and 4 sticks next to the covered ones,

“If you add these to your bundle, now how many?” _____ (=36). Cover all 36.

Continue adding the following and asking “How many now?” and then cover each

time. Add 2 bundles and 3 sticks _____ (=59), Add 2 bundles _____ (=79).

You can remind them how many are under the cover if they forget and ask.

4 Correct (2 pts) 3 Correct (1 pt) 0-2 Correct (0 pts) CPV Points _____
W S

13. Multiplication and Division (M/D)

“Start counting by 3s and I’ll tell you when to stop.” (Stop at 24)

Fluent (stress or skip counts) (2 pts) Not fluent (1 pt) Unsuccessful (0 pts) M/D Points _____
W S

Spring

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

14. 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** _____
S

15. 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** _____
S

16. 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** _____
S

17. 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) Both correct but counted on/down or used the standard algorithm to solve (1 pt) Incorrect (0 pts) **CPV Points** _____
S

18. 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** _____
S