

## Pre-Kindergarten Math Screener Directions and Materials

### Materials:

- Print the provided materials below. Laminate if desired.
- Collect counters (blocks, bears, red/yellow counter etc.) You will need two different colors and types and a minimum of 20.
- Objects of different sizes (such as: pencil, eraser, marker, block, etc.)

### Directions:

1. You will flash the dot pattern card for  $\frac{1}{2}$  second. Make sure you have the student's attention focused on the card before you flash it. Say to the student, "Show me with your fingers the same amount."
2. You will flash the dot pattern card for  $\frac{1}{2}$  second. Make sure you have the student's attention focused on the card before you flash it. Say to the student, "Show me with your fingers more than the amount you saw."
3. You will flash the dot pattern card for  $\frac{1}{2}$  second. Make sure you have the student's attention focused on the card before you flash it. Say to the student, "Show me with your fingers less than the amount you saw."
4. Say, "Start counting forwards form 1." Stop the student at 20.
5. Place two objects of different sizes in front of the student. Ask, "Which is bigger?"
6. Ask, "What number comes after 2?" Then ask, "What number comes before 5?"
7. Put out a collection of 9 counters of the same color. Say, "Count these out loud."
8. Put out a pile of 12 counters. Say "Give me 8 counters."
9. Reset the pile of 12 counters. Say, "Give me 5 counters."
10. Put out 7 counters of one color. Ask, "How many counters are there?"
11. Leave out the 7 counters and add 3 counters of another color randomly spaced next to the others (randomly means not in a line) Ask, "How many are there now?"
12. Place two blocks or counters in front of the student. Ask, "How many?"
13. Place 12 counters in front of the student. Say, "Give me five counters." Then ask, "How many did you give me?"
14. You show the student the card with 2 dots. You do not have to flash it for this one. Say to the student, "Show me with your fingers less than the amount you saw."
15. Say, "Show me 4 fingers."
16. You show the student the card with 2 dots. You do not have to flash it for this one. Say to the student, "How many dots?"
17. Put in front of the student 3 blocks and 3 counters. Ask, "Do we have enough counters to put a block on each one?"
18. Show student two piles of blocks or counters with one clearly more than the other. Ask, "Which is more?"
19. Show student two piles of blocks or counters with one clearly more than the other. Ask, "Which is less?"



## Pre-Kindergarten Number Sense Screener

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Subitizing Score	/3	%
Verbal Counting Score	/4	%
Object Counting Score	/5	%
Cardinality Score	/3	%
Spatial Relationship Score	/2	%
One/Two More/Less	/2	%
Total	/20	%

**Subitizing Score \_\_\_\_\_ out of 3 = \_\_\_\_\_ %**

Standard(s)		Notes/Student Response
K.CC.1 K.CC.4 K.CC.6	1. Show student card with 3 dots. "Show me with your fingers the same amount." ○ Correct (1) ○ Incorrect (0)	
K.CC.1 K.CC.4 K.CC.6	2. Show student card with 2 dots. "Show me with your fingers more than this amount." ○ Correct (1) ○ Incorrect (0)	
K.CC.1 K.CC.4 K.CC.6	3. Show student card with 4 dots. "Show me with your fingers less than this amount." ○ Correct (1) ○ Incorrect (0)	



**Verbal Counting Score \_\_\_\_ out of 4 = \_\_\_\_%**

Standard(s)		Notes/Student Response
K.CC.1 K.CC.4	4. "Start counting forwards from one." Stop student at 20. <ul style="list-style-type: none"> <li>○ Correct &amp; Fluent (2)</li> <li>○ Any Delayed yet All Correct (1)</li> <li>○ Any Incorrect (0)</li> </ul>	
K.CC.6	5. Place two objects in front of student. "Which is bigger?" <ul style="list-style-type: none"> <li>○ Correct (1)</li> <li>○ Incorrect (0)</li> </ul>	
K.CC.1 K.CC.4	6. "What number comes after 2?" What number comes before 5?" <ul style="list-style-type: none"> <li>○ Correct (1)</li> <li>○ Incorrect (0)</li> </ul>	



**Object Counting Score \_\_\_\_ out of 5 = \_\_\_\_%**

Standard(s)		Notes/Student Response
K.CC.1 K.CC.4	7. Put out a collection of 9 counters of the same color. Say, "Count these out loud." ○ Correct (1) ○ Unsuccessful, Cannot Count Visible Items (0)	
K.CC.1 K.CC.4	8. Put out a pile of 12 counters. Say, "Get me 8 counters." ○ Correct (1) ○ Unsuccessful, Cannot Count Visible Items (0)	
K.CC.1 K.CC.4	9. Place pile of 12 counters again in front of child. Say, "Get me 5 counters." ○ Correct (1) ○ Unsuccessful, Cannot Count Visible Items (0)	
K.CC.1 K.CC.4	10. Put out 7 red counters and ask, "How many counters are there?" ○ Correct (1) ○ Unsuccessful, Cannot Count Visible Items (0)	
K.CC.1 K.CC.4	11. Leave red counters where they are and place 3 blue counters randomly spaced next to the red ones. Ask, "How many are there now?" ○ Correct (1) ○ Unsuccessful (0)	



**Cardinality Score \_\_\_ out of 3 = \_\_\_%**

Standard(s)		Notes/Student Response
K.CC.1 K.CC.4	12. Place two blocks in front of student. Ask, "How many?" <ul style="list-style-type: none"> <li>○ Correct without counting (1)</li> <li>○ Incorrect (0)</li> </ul>	
K.CC.1 K.CC.4	13. Place 12 counters in front of student. Say, "Give me five counters." Ask, "How many did you count?" <ul style="list-style-type: none"> <li>○ Correct without recounting (1)</li> <li>○ Incorrect (0)</li> </ul>	
K.CC.1 K.CC.4	14. Show student card with 4 dots. "Show me with your fingers less than this amount." <ul style="list-style-type: none"> <li>○ Correct (1)</li> <li>○ Incorrect (0)</li> </ul>	

**Spatial Relationship Score \_\_\_ out of 3 = \_\_\_%**

Standard(s)		Notes/Student Response
K.CC.1 K.CC.4	15. Say, "Show me 4 fingers." <ul style="list-style-type: none"> <li>○ Correct without counting (1)</li> <li>○ Incorrect (0)</li> </ul>	
K.CC.1 K.CC.4	16. Show student card with 2 dots. Ask, "How many?" <ul style="list-style-type: none"> <li>○ Correct without counting (1)</li> <li>○ Incorrect (0)</li> </ul>	
K.CC.1 K.CC.4	17. Put in front of student 3 blocks and 3 counters. Ask, "Do we have enough counters to put a block on each one?" <ul style="list-style-type: none"> <li>○ Correct without counting (1)</li> <li>○ Incorrect (0)</li> </ul>	



One/Two More/Less Score \_\_\_ out of 2 = \_\_\_%

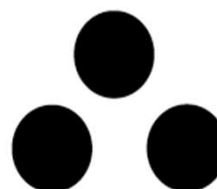
Standard(s) )		Notes/Student Response
K.CC.1 K.CC.4	18. Show student two piles of blocks or counters with one clearly more than the other. "Which is more." <ul style="list-style-type: none"><li>○ Correct (1)</li><li>○ Incorrect (0)</li></ul>	
K.CC.1 K.CC.4	19. Show student two piles of blocks or counters with one clearly more than the other. "Which is less." <ul style="list-style-type: none"><li>○ Correct (1)</li><li>○ Incorrect (0)</li></ul>	



This resource was developed using materials from the Build Math Minds site and online Number Sense course offered by Christina Tondevold on this platform. For more information regarding these materials, the Build Math Minds Platform, and Christina Tondevold, please visit [buildmathminds.com](http://buildmathminds.com) or [therecoveringtraditionalist.com](http://therecoveringtraditionalist.com).

Pre-Kindergarten Math Screener  
Materials

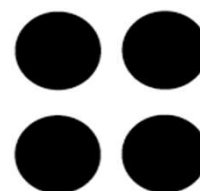
1



2



3



4