

# PERCENTAGE CONSONANTS CORRECT (PCC) IMITATIVE SENTENCE SCORING FORM



Student/Child: \_\_\_\_\_ Date of Birth: \_\_\_\_/\_\_\_\_/\_\_\_\_

PCC Probe Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ SLP: \_\_\_\_\_

The abbreviated procedures below are based on the recommendations of Johnson, Weston, and Bain (2004) and Shriberg and Kwiatkowski (1982):

1. Imitative samples of 36 sentences with appropriate mean length utterance (MLU) for the student's age should be used. Present sentences using a conversational tone without exaggerated prosodic cues (Johnson, Weston and Bain 2004).
2. Mark errors directly on the list of sentences for efficient scoring. Only consonants are scored, not vowels (i.e., only the consonantal /r/ is scored).
3. Score only the first production of a consonant if a syllable is repeated (e.g., ba-balloon). Score only the first /b/.
4. Do not score consonants if a word is unintelligible or only partially intelligible.
5. Errors include substitutions, deletions, distortions, and additions. Voicing errors are only scored for consonants in the initial position of words.
6. If /ng/ is replaced with /n/ at the end of a word, do not score it as an error. Likewise, minor sound changes due to informal speech and/or selection of sounds in unstressed syllables are not scored as errors.
7. Dialectal variations are not scored as errors.
8. To determine the PCC value count the total number of consonant errors and use the formula below.

- |  |   |  |  |
|--|---|--|--|
| 1. We see one big dog.<br>/wi si wʌn bɪg dɔg/                | 9. She is looking in.<br>/ʃi ɪz lʊkɪŋ ɪn/           | 18. What is so funny?<br>/wʌt ɪz so fʌnɪ/                            | 27. A lady climbed.<br>/ə ledɪ klaɪmd/                   |
| 2. Mother talks on the new phone.<br>/mʌðə tʌks ən ðənu fon/ | 10. Watch them dance. /<br>wʌtʃ ðəm dæns/           | 19. One boy went behind the balls.<br>/wʌn bɔɪ went bihaɪnd ðə bɔlz/ | 28. All kids work.<br>/əl kɪdz wɜ:k/                     |
| 3. The baby has a pretty toy.<br>/ðe beɪ hæz ə prɪtɪ tɔɪ/    | 11. Now he can read.<br>/nəʊ hi kæn rɪd/            | 20. She can't get inside yet.<br>/ʃi kænt get ɪnsaɪd jət/            | 29. Maybe this will move now.<br>/meɪbɪ ðɪs wɪl muv nəʊ/ |
| 4. Mom says, "Sit down."<br>/mʌm sez sɪt daʊn/               | 12. He took dinosaurs. /<br>hi tʊk daɪnəsɔ:z/       | 21. I brought bugs and things.<br>/aɪ brɔt bʌgz æn θɪŋz/             | 30. They are very tired.<br>/ðe ar veri taɪəd/           |
| 5. You'll be fine with teacher.<br>/jʊl bi faɪn wɪθ tɪtʃə/   | 13. Look, he can pull.<br>/lʊk hi kæn pʊl/          | 22. Pieces are all over.<br>/pi:sz ar əl ovə/                        | 31. We'll rest awhile.<br>/wɪl rest əwaɪl/               |
| 6. Oh no, the door shut!<br>/oʊ noʊ ðə dɔr ʃʌt/              | 14. They just made cars. /ðeɪ dʒɪs meɪd kɑ:z/       | 23. He got cold.<br>/hi gət kɔld/                                    | 32. He can open a door.<br>/hi kæn opən ə dɔr/           |
| 7. She looks happy.<br>/ʃi lʊks hæpi/                        | 15. Everybody goes around.<br>/evrɪbɔdi goz əraʊnd/ | 24. Time to clean up.<br>/taɪm tə klin ʌp/                           | 33. Come into the room.<br>/kʊm ɪntu ðə rum/             |
| 8. Some kids are playing.<br>/sʌm kɪdz ar pleɪŋ/             | 16. Now he wants water. /nəʊ hi wʌnts wɔtə/         | 25. Put one flower on his head.<br>/pʊt wʌn fləʊə ən ɪz hed/         | 34. The dog is watching.<br>/ðə dɔg ɪz wɔtʃɪŋ/           |
|  | 17. She fell down.<br>/ʃi fel daʊn/                 | 26. We want more food. /<br>wi wʌnt mɔr fud/                         | 35. Move the bug off.<br>/muv ðə bʌg əf/                 |
|  |   |  | 36. Time to go home.<br>/taɪm tə go hom/                 |

273 consonants - errors = /273 x 100 =

PCC SCORE: \_\_\_\_\_

Permission was granted by the American Speech-Language Hearing Association to reprint Appendix B from Johnson, C. A., Weston, A. D., & Bain, B. A. (2004). [An objective and time-efficient method for determining severity of childhood speech delay](#). American Journal of Speech-Language Pathology, 13, 55-65. Additional thanks to the Virginia Department of Education.