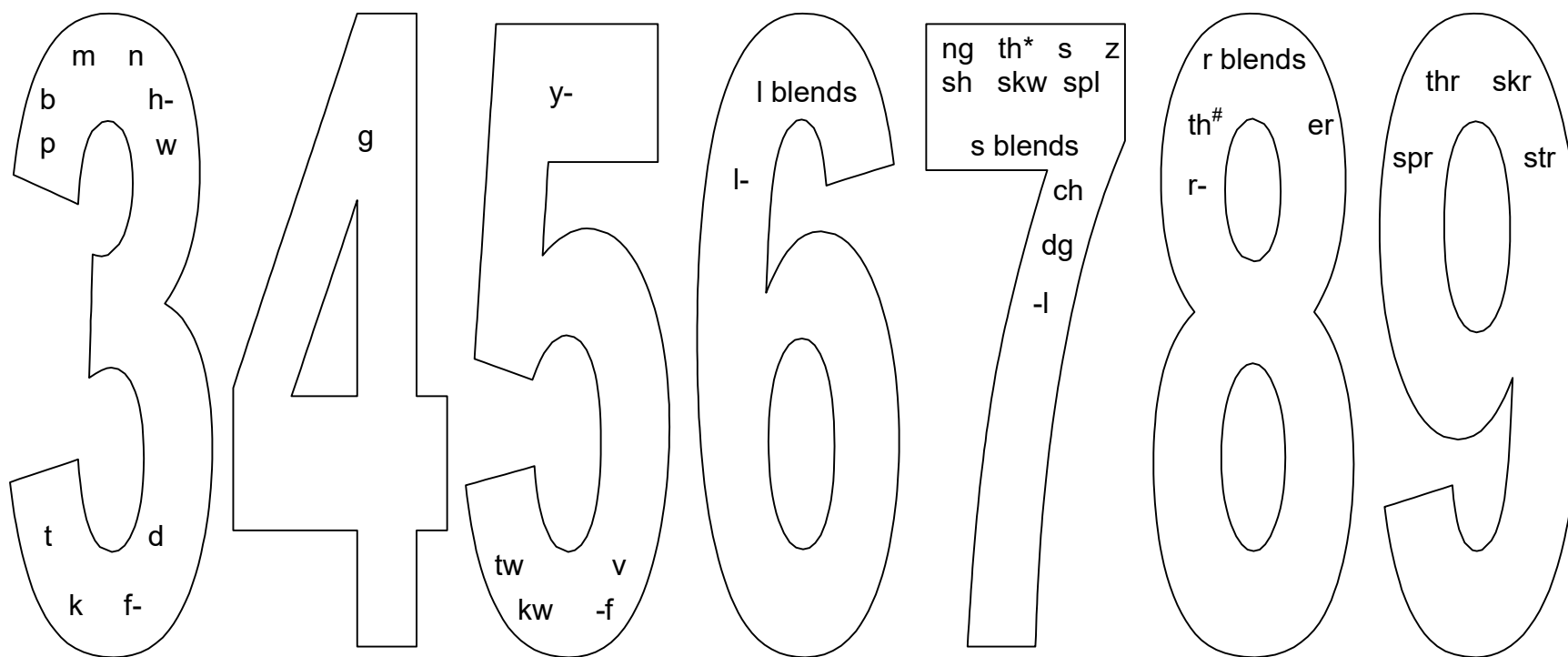


Suggested Ages for Acquisition for Boys Based on Iowa Nebraska Norms

The chart below shows recommended ages of acquisition, based on the ages when 90% of English speaking boys produce single sounds (before or after a vowel), consonant blends, and clusters. Sounds acquired during the second half of the year (ex., 3^{1/2}, 4^{1/2}, etc) are shown at the bottom of each year. Pre and post vocalic positions are noted using the - and all vowel sounds are expected by age 3. This work was originally published by Smit, Hand, Freilinger, Bernthal, and Bird¹ and is considered a recent comprehensive study. Additional information is available from *Speech-Language Pathology Services in Schools: Guidelines for Best Practice*².



* voiced th as pronounced in THIS # voiceless th as pronounced in THIN

¹ Smit, Hand, Freilinger, Bernthal, and Bird (1990) *Journal of Speech and Hearing Disorders*, 55, 779-798

² Virginia Department of Education (2011) *Speech-Language Pathology Services in Schools: Guidelines for Best Practice*