Although Williams syndrome and 7q11.23 Duplication syndrome (Dup7) affect the same set of genes on chromosome 7, the two neurodevelopmental disorders present differently in individuals, particularly in terms of cognitive characteristics, social behaviors, and language development. The purpose of this study was to gain a better understanding of these differences and their possible clinical implications by comparing narrative language samples from children with Dup7 to those from children with Williams syndrome. Video recordings of 45 children, ages seven to thirteen, telling a narrative using the wordless picture book, *Frog, Where are You?*, were used for the purposes of this project. Fifteen children with a Dup7 diagnosis were matched with one set of 15 children with Williams syndrome by expressive vocabulary level, and another set of 15 children with Williams syndrome by chronological age. Participant narratives were compared on the basis of several narrative measures including: (1) story length, (2) frequency of morphological (word grammar) errors, (3) Story Grammar elements, (4) the establishment and comprehension of the search theme, and (5) the use of evaluative language to show how the child connected with both the story and the audience. The Dup7 narratives differed from the Williams syndrome narratives in terms of story grammar score, search theme score, and the use of evaluative language. The differences observed reflect the unique cognitive and social profiles typical of each disorder. Participants with Dup7 showed relative strengths in measures related to cognitive functioning, including story grammar score, search theme score, and frequency of cognitive inferences. Participants with Williams syndrome showed relative strengths in their use of evaluative language, particularly social engagement devices. Overall, the differences observed between Dup7 and WS groups, as well as among participants within each group, speaks to the importance of viewing each child as an individual with unique strengths and challenges.