



## THE RELATIONSHIP AMONG TIME SPENT READING, READING ACHIEVEMENT, AND VOCABULARY ACQUISITION OF FIFTH GRADERS

Percentile Rank on Standardized Reading Test	Minutes of Independent Reading Outside of School Per Day	Estimated Exposure to the Number of Words Per Year
98	90.7	4,733,000
90	40.4	2,357,000
70	21.7	1,168,000
50	12.9	601,000
20	3.1	134,000
10	1.6	51,000

Source:  
Anderson, R., Wilson, P., and Fielding, L. (1988) "Growth in Reading and How Children Spend Their Time Outside of School" Reading Research Quarterly, Vol 23 pg 285-303