

## **Research Results Summary – ONPAR Math**

**2008- 2010**

Piloting in a second ONPAR study in mathematics was completed in fall, 2010. The study used a randomized design to investigate how English learners, learning disabled (LD) and native English speaking poor readers with no IEPs in Grades 4 and 7 perform on ONPAR as compared to the traditional test measuring the same content. Data are currently available only from a very small sample (n's of 102 and 104 good readers and 37 and 34 low readers on the traditional and ONPAR tests, respectively). Very early analysis of the 4th grade math pilot results show that when adjusted for student math ability, the interaction between Test Type and Reading Level is significant ( $F= 6.32$ ;  $p<.01$ ) with low readers (including both LD students and poor readers) increasing their scores by 41 points from the traditional test to the ONPAR compared to good readers whose scores increased by 15. Additional results will be added as soon as they are available.