

**Observed Gains in the Fall 2002 and Spring 2003
Norm Samples for Performance Series Math and Reading**

The following tables summarize the observed gain from the fall 2002 and spring 2003 norm samples. In order to observe gains in the Performance Series Norm samples, we matched scores from the same percentile for each testing period (not necessarily the same students). For example, the scores at the 50th percentile in fall were compared to scores in the 50th percentile in the spring. In an effort to avoid outliers only the interquartile scores were used (scores between the 25th and 75th percentile). The fall 2002 interquartile Scaled Score range is reported for each grade level. For the scores in this interquartile range, the fall to spring gain range is also listed. For example, second grade students had Scaled Score ranges from 1937 to 2128. These same second graders gained between 122 and 145 Scaled Score units on their subsequent test in the spring.

Math Grade Level	Fall 2002 Interquartile Scaled Score Range	Observed Gain Fall to Spring
2	[1937 - 2128]	122 - 145
3	[2100 - 2293]	95 - 109
4	[2228 - 2418]	92 - 100
5	[2319 - 2508]	76 - 107
6	[2401 - 2598]	73 - 136
7	[2458 - 2698]	66 - 104
8	[2510 - 2779]	52 - 81
9 - 12	[2572 - 2897]	15 - 29

Reading Grade Level	Fall 2002 Interquartile Scaled Score Range	Observed Gain Fall to Spring
2	[1906 - 2183]	11 - 155
3	[2048 - 2397]	70 - 136
4	[2169 - 2568]	124 - 163
5	[2315 - 2709]	94 - 115
6	[2440 - 2818]	84 - 105
7	[2525 - 2881]	100 - 132
8	[2584 - 2931]	93 - 136
9 - 12	[2663 - 2996]	94 - 169

* The Scantron Research department will be developing observed gains tables using data that compares the same students in each testing period. The new tables will be available to compare fall-to-fall, spring-to-spring and fall-to-spring.