

**2006 Report
Westwood, CA Center**

**Report on the Effectiveness of Mathnasium Learning Center Teaching
on Student Performance
on Standards-based Mathematics Tests**

prepared by

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Standards-based, grade-level pre-tests were delivered to 20 students spread across 6 grade levels at the center as they entered the center’s tutoring program (as students enrolled at the center). These enrollments took place between April 13th, 2005 and December 22nd, 2006. The posttests, testing mastery of the same standards-based skills with the same level of difficulty as the pre-test, were administered to the students between mid-November 2005 and late February, 2006. The average treatment period covered less than 90 days.

Test data was collected, individual student pre and posttest scores were matched by student, and results were analyzed using methods that include calculating the percentage increase or decrease between the pre and posttest. An average percentage increase was also calculated. In all cases but two, the students preformed better on posttests. The complete results are displayed in Table 2. Overall, the students showed an average 14.9% increase in percent correct on the posttest. A summary of the results, by tested grade level, are shown below in Table 1. It should be noted that the results were similar across grade levels (1 through 6).

Table 1. Summary of Results

Test Level	Avg. Improvement	Avg. Treatment Period	n
1	12.5%	74.33	3
2	5.2%	104.75	4
3	18.2%	96.00	5
4	21.5%	100.83	6
5	12.1%	70.00	1
6	6.2%	48.00	1

While these data are not numerous enough to yield calculations that demonstrate statistically significant results, nor have we taken into account the effect on these scores introduced by concurrent classroom instruction, they do add to and bolster the findings of the earlier statistical reports on the effectiveness of the Mathnasium Learning Center method.

Table 2. Mathnasium data – Summer 2005 – Winter 2006 Westwood tutoring students.

Test Level	Student Grade	Pre-test Date	Percent Correct	Posttest Date	Percent Correct	Percentage Change	Treatment Period (days)
1	1	12/6/2005	12.5%	2/8/2006	20.0%	7.5%	64
1	2	9/18/2005	50.0%	11/28/2005	77.5%	27.5%	71
1	3	9/1/2005	55.0%	11/28/2005	57.5%	2.5%	88
2	3	11/2/2005	33.3%	2/27/2006	31.6%	-1.8%	117
2	3	12/21/2005	87.7%	2/8/2006	87.7%	0.0%	49
2	3	8/29/2005	59.6%	2/14/2006	68.4%	8.8%	169
2	3	9/11/2005	70.2%	12/4/2005	83.9%	13.8%	84
3	3	8/29/2005	63.2%	2/24/2006	80.7%	17.5%	179
3	4	11/1/2005	68.4%	11/30/2005	77.2%	8.8%	29
3	4	9/18/2005	29.8%	11/28/2005	52.6%	22.8%	71
3	5	6/29/2005	49.1%	11/22/2005	73.7%	24.6%	146
3	6	12/22/2005	35.1%	2/15/2006	52.6%	17.5%	55
4	4	4/13/2005	51.2%	11/28/2005	76.8%	25.6%	229
4	5	11/28/2005	57.3%	2/7/2006	80.5%	23.2%	71
4	5	11/22/2005	36.6%	2/6/2006	76.8%	40.2%	76
4	6	9/6/2005	23.2%	11/28/2005	22.0%	-1.2%	83
4	6	9/8/2005	40.2%	11/28/2005	68.3%	28.0%	81
4	7	9/26/2005	79.3%	11/30/2005	92.7%	13.4%	65
5	6	12/1/2005	58.2%	2/9/2006	70.3%	12.1%	70
6	8	12/22/2005	69.1%	2/8/2006	75.3%	6.2%	48