

CPM High Schools California Standards Test (CST) Results for 2004-2010

The tables below show a comparison between CPM high schools and all high schools in California based on the percentage of students who scored “proficient” or better on the three subject specific CST examinations. We report both the percentage point difference and the ratio of the CPM results to the state average. The results for the CPM schools are based on about 100 secondary schools each year.

Of the 71 comparisons in the tables on the following pages, CPM schools scored equal to or higher than the state average on 63 of them. Since the CST measures knowledge of basic skills and procedures, these results demonstrate that the CPM program is one effective way to teach this part of a complete mathematics program. This test does not measure other elements of the CPM program, namely, conceptual understanding, the development of problem solving skills and the ability to communicate mathematical ideas.

Algebra 1 Results

CPM schools equal or exceed the state results for students “proficient and above” in all four grades for all seven years. Results in the 8th grade average 46% higher and results for the 9th grade average 25% higher when compared to statewide scores.

Geometry Results

CPM schools equal or exceed the results for students “proficient and above” in all 28 comparisons. The results for grades 9-11 are especially strong. The 8th grade scores have averaged slightly above the state average during the past seven years, averaging about 86% proficient and advanced.

Algebra 2 Results

CPM schools tend more towards the state average for Algebra 2. The growing difference between scores of CPM and other schools for Algebra 2 is especially noteworthy, since the dropout rate of students in mathematics in other programs increases after Geometry, leaving a small pool of more able students to take Algebra 2. CPM schools generally see an increase in the number of students who continue with higher math courses from years prior to using CPM.

CST Algebra 1: Proficient and Advanced

2010

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	46%	63%	17	1.37
9	22%	23%	1	1.05
10	12%	12%	0	1.00
11	9%	10%	1	1.11

2009

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	44%	54%	10	1.23
9	21%	23%	2	1.10
10	11%	13%	2	1.18
11	8%	10%	2	1.25

2008

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	42%	48%	6	1.14
9	18%	21%	3	1.17
10	8%	9%	1	1.13
11	5%	6%	1	1.20

2007

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	38%	54%	16	1.42
9	17%	22%	5	1.29
10	8%	10%	2	1.25
11	5%	6%	1	1.20

2006

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	40%	63%	23	1.58
9	19%	25%	6	1.29
10	10%	12%	2	1.17
11	6%	8%	2	1.39

2005

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	34%	59%	25	1.74
9	16%	22%	6	1.40
10	7%	9%	2	1.25
11	4%	5%	1	1.33

2004

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	35%	57%	22	1.63
9	15%	19%	4	1.26
10	6%	7%	1	1.22
11	4%	4%	0	1.02

CST Geometry: Proficient and Advanced

2010

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	86%	98%	12	1.14
9	45%	50%	5	1.11
10	14%	16%	2	1.14
11	7%	9%	2	1.29

2009

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	87%	93%	6	1.07
9	47%	50%	3	1.06
10	14%	15%	1	1.07
11	7%	7%	0	1.00

2008

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	84%	84%	0	1.00
9	43%	48%	5	1.12
10	12%	15%	3	1.25
11	6%	7%	1	1.17

2007

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	83%	83%	0	1.00
9	44%	53%	9	1.21
10	13%	17%	4	1.31
11	6%	9%	3	1.5

2006

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	80%	91%	11	1.14
9	45%	53%	8	1.18
10	15%	20%	5	1.31
11	7%	10%	3	1.42

2005

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	79%	86%	7	1.09
9	47%	53%	6	1.13
10	17%	22%	5	1.30
11	7%	10%	3	1.43

2004

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
8	76%	83%	7	1.09
9	43%	43%	0	1.00
10	15%	15%	0	1.02
11	5%	7%	2	1.38

CST Algebra 2: Proficient and Advanced

2010

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
9	69%	78%	9	1.13
10	40%	36%	(4)	0.90
11	14%	12%	(2)	0.86

2009

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
9	65%	69%	4	1.06
10	37%	35%	(2)	0.95
11	12%	12%	0	1

2008

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
9	66%	78%	12	1.18
10	36%	38%	2	1.06
11	11%	12%	1	1.09

2007

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
9	65%	75%	10	1.15
10	35%	39%	4	1.11
11	12%	13%	1	1.08

2006

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
9	61%	65%	4	1.06
10	34%	33%	(1)	0.97
11	10%	12%	2	1.24

2005

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
9	63%	66%	3	1.05
10	36%	30%	(6)	0.84
11	12%	11%	(1)	0.90

2004

Grade	All CA Schools	CPM Schools	Percentage Points Above State Average	Ratio of CPM/State
9	57%	60%	3	1.05
10	33%	30%	(3)	0.92
11	10%	9%	(1)	0.90