

## Matched Comparison Analysis

Matched comparison analysis compares the performance of students over two years. The students included in the matched comparison group are those who took an assessment in one year and the next year took an assessment at the next higher grade level. For example, a student who took the reading assessment in 4<sup>th</sup> grade in 2010 is only included if the same student took the 3<sup>rd</sup> grade reading assessment in 2009. In the analysis of performance for reading 2010 relative to 2009 a total of 59,647 students are matched and therefore compared. Alaska tests students in grades 3-10.

To read the matched comparison charts find a performance level for year one on the left side of the chart and year two at the top of the chart. Find where the row and column intersect and the number represented in the cell indicates the performance of a group of students in one year relative to the next year. For example, by looking at the proficient row of reading in 2009 relative to the advanced column of reading in 2010 we learn that 5,732, or 9.61% of all matched students (59,647) increased performance from proficient to advanced between 2009 and 2010.

The charts are color coded to indicate performance changes. Yellow indicates cells that represent student performance are the same one year relative to the prior year. Those cells that are colored green represent students where performance increased over the prior year, and cells that are orange/tan indicate student performance declined in the current year relative to the prior year. When the values of all green cells are combined from the 2009 to 2010 matched comparison the total equals 11,685, indicating 19.6 percent of the total students who took the Reading test in both years improved performance.

A table representing the number and percentage of students demonstrating growth, declines or stable performance from one year to the next is presented at the bottom of each content area analysis. The number and percent represented in the table for stable performance includes two categories, one for those students who are stable and proficient or advanced and one for those who are below or far below proficient.

The matched comparison analysis includes 2010 relative to 2009 performance, 2009 relative to 2008 performance, and 2008 relative to 2007 performance. The charts are presented over six pages that outline the reading, writing and mathematics assessments in two sets of consecutive year analyses.

## Matched Comparison between 2009 to 2010 and 2008 to 2009

Matched Reading Counts		2010				
		FarBelowProficient	Below Proficient	Proficient	Advanced	Total
2009	FarBelowProficient	1,349	1,841	496	15	3,701
	Below Proficient	852	3,872	3,529	72	8,325
	Proficient	173	2,247	19,514	5,732	27,666
	Advanced	5	30	4,222	15,698	19,955
	Total	2,379	7,990	27,761	21,517	59,647

Matched Reading Percents		2010				
		FarBelowProficient	Below Proficient	Proficient	Advanced	Total
2009	FarBelowProficient	2.26%	3.09%	0.83%	0.03%	6.20%
	Below Proficient	1.43%	6.49%	5.92%	0.12%	13.96%
	Proficient	0.29%	3.77%	32.72%	9.61%	46.38%
	Advanced	0.01%	0.05%	7.08%	26.32%	33.46%
	Total	3.99%	13.40%	46.54%	36.07%	100.00%

Matched Reading Counts		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2008	FarBelowProficient	1,285	1,055	264	6	2,610
	BelowProficient	1,355	3,994	2,225	40	7,614
	Proficient	356	3,537	19,422	3,558	26,873
	Advanced	11	56	5,991	15,933	21,991
	Total	3,007	8,642	27,902	19,537	59,088

Matched Reading Percents		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2008	FarBelowProficient	2.17%	1.79%	0.45%	0.01%	4.42%
	BelowProficient	2.29%	6.76%	3.77%	0.07%	12.89%
	Proficient	0.60%	5.99%	32.87%	6.02%	45.48%
	Advanced	0.02%	0.09%	10.14%	26.96%	37.22%
	Total	5.09%	14.63%	47.22%	33.06%	100.00%

	2009 to 2010		2008 to 2009	
Performance Increase	11,685	19.6%	7,148	12.1%
Prof/Adv Stable	35,212	59.0%	35,355	59.8%
FBP/BP Stable	5,221	8.8%	5,279	8.9%
Performance Decline	7,529	12.6%	11,306	19.1%

\*Color Key  
 Yellow = Stable                      Green = increases                      Orange/Tan - decline

Matched comparison includes students who tested in the first year and then tested the following year in the next grade for grades 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10

## Matched Comparison between 2009 to 2010 and 2008 to 2009

Matched Writing Counts		2010				
		FarBelowProficient	Below Proficient	Proficient	Advanced	Total
2 0 0 9	FarBelowProficient	990	954	140	2	2,086
	Below Proficient	1,568	6,996	3,193	40	11,797
	Proficient	240	4,244	25,707	3,145	33,336
	Advanced	2	53	4,677	7,631	12,363
	Total	2,800	12,247	33,717	10,818	59,582

Matched Writing Percents		2010				
		FarBelowProficient	Below Proficient	Proficient	Advanced	Total
2 0 0 9	FarBelowProficient	1.66%	1.60%	0.23%	0.00%	3.50%
	Below Proficient	2.63%	11.74%	5.36%	0.07%	19.80%
	Proficient	0.40%	7.12%	43.15%	5.28%	55.95%
	Advanced	0.00%	0.09%	7.85%	12.81%	20.75%
	Total	4.70%	20.55%	56.59%	18.16%	100.00%

Matched Writing Counts		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2 0 0 8	FarBelowProficient	989	1,305	251	2	2,547
	BelowProficient	1,163	6,903	4,341	43	12,450
	Proficient	152	3,175	25,631	2,305	31,263
	Advanced	5	58	5,185	7,588	12,836
	Total	2,309	11,441	35,408	9,938	59,096

Matched Writing Percents		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2 0 0 8	FarBelowProficient	1.67%	2.21%	0.42%	0.00%	4.31%
	BelowProficient	1.97%	11.68%	7.35%	0.07%	21.07%
	Proficient	0.26%	5.37%	43.37%	3.90%	52.90%
	Advanced	0.01%	0.10%	8.77%	12.84%	21.72%
	Total	3.91%	19.36%	59.92%	16.82%	100.00%

	2009 to 2010		2008 to 2009	
Performance Increase	7,474	12.5%	8,247	14.0%
Prof/Adv Stable	33,338	56.0%	33,219	56.2%
FBP/BP Stable	7,986	13.4%	7,892	13.4%
Performance Decline	10,784	18.1%	9,738	16.5%

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Matched comparison includes students who tested in the first year and then tested the following year in the next grade for grades 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10

## Matched Comparison between 2009 to 2010 and 2008 to 2009

		2010				
		FarBelowProficient	Below Proficient	Proficient	Advanced	Total
2009	FarBelowProficient	4,876	2,578	828	24	8,306
	Below Proficient	1,734	4,159	3,511	163	9,567
	Proficient	545	3,198	14,486	4,723	22,952
	Advanced	23	129	3,848	14,732	18,732
	Total	7,178	10,064	22,673	19,642	59,557

		2010				
		FarBelowProficient	Below Proficient	Proficient	Advanced	Total
2009	FarBelowProficient	8.19%	4.33%	1.39%	0.04%	13.95%
	Below Proficient	2.91%	6.98%	5.90%	0.27%	16.06%
	Proficient	0.92%	5.37%	24.32%	7.93%	38.54%
	Advanced	0.04%	0.22%	6.46%	24.74%	31.45%
	Total	12.05%	16.90%	38.07%	32.98%	100.00%

		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2008	FarBelowProficient	4,644	1,610	439	22	6,715
	BelowProficient	2,612	4,109	2,508	69	9,298
	Proficient	1,008	4,370	14,514	3,107	22,999
	Advanced	51	205	5,797	13,973	20,026
	Total	8,315	10,294	23,258	17,171	59,038

		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2008	FarBelowProficient	7.87%	2.73%	0.74%	0.04%	11.37%
	BelowProficient	4.42%	6.96%	4.25%	0.12%	15.75%
	Proficient	1.71%	7.40%	24.58%	5.26%	38.96%
	Advanced	0.09%	0.35%	9.82%	23.67%	33.92%
	Total	14.08%	17.44%	39.39%	29.08%	100.00%

	2009 to 2010		2008 to 2009	
Performance Increase	11,827	19.9%	7,755	13.1%
Prof/Adv Stable	29,218	49.1%	28,487	48.3%
FBP/BP Stable	9,035	15.2%	8,753	14.8%
Performance Decline	9,477	15.9%	14,043	23.8%

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		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2008	FarBelowProficient	2.17%	1.79%	0.45%	0.01%	4.42%
	BelowProficient	2.29%	6.76%	3.77%	0.07%	12.89%
	Proficient	0.60%	5.99%	32.87%	6.02%	45.48%
	Advanced	0.02%	0.09%	10.14%	26.96%	37.22%
	Total	5.09%	14.63%	47.22%	33.06%	100.00%

		2008				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2007	FarBelowProficient	1,002	1,216	305	7	2,530
	BelowProficient	1,080	3,780	2,696	39	7,595
	Proficient	230	2,962	19,405	4,376	26,973
	Advanced	8	45	5,570	16,837	22,460
	Total	2,320	8,003	27,976	21,259	59,558

		2008				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2007	FarBelowProficient	1.68%	2.04%	0.51%	0.01%	4.25%
	BelowProficient	1.81%	6.35%	4.53%	0.07%	12.75%
	Proficient	0.39%	4.97%	32.58%	7.35%	45.29%
	Advanced	0.01%	0.08%	9.35%	28.27%	37.71%
	Total	3.90%	13.44%	46.97%	35.69%	100.00%

	2008 to 2009		2007 to 2008	
Performance Increase	7,148	12.1%	8,639	14.5%
Prof/Adv Stable	35,355	59.8%	36,242	60.9%
FBP/BP Stable	5,279	8.9%	4,782	8.0%
Performance Decline	11,306	19.1%	9,895	16.6%

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	Advanced	5	58	5,185	7,588	12,836
	Total	2,309	11,441	35,408	9,938	59,096

Matched Writing Percents		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2008	FarBelowProficient	1.67%	2.21%	0.42%	0.00%	4.31%
	BelowProficient	1.97%	11.68%	7.35%	0.07%	21.07%
	Proficient	0.26%	5.37%	43.37%	3.90%	52.90%
	Advanced	0.01%	0.10%	8.77%	12.84%	21.72%
	Total	3.91%	19.36%	59.92%	16.82%	100.00%

Matched Writing Counts		2008				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2007	FarBelowProficient	1,209	1,221	166	2	2,598
	BelowProficient	1,433	7,204	3,441	30	12,108
	Proficient	192	3,977	24,711	2,379	31,259
	Advanced	5	91	5,465	7,977	13,538
	Total	2,839	12,493	33,783	10,388	59,503

Matched Writing Percents		2008				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2007	FarBelowProficient	2.03%	2.05%	0.28%	0.00%	4.37%
	BelowProficient	2.41%	12.11%	5.78%	0.05%	20.35%
	Proficient	0.32%	6.68%	41.53%	4.00%	52.53%
	Advanced	0.01%	0.15%	9.18%	13.41%	22.75%
	Total	4.77%	21.00%	56.78%	17.46%	100.00%

	2008 to 2009		2007 to 2008	
Performance Increase	8,247	14.0%	7,239	12.2%
Prof/Adv Stable	33,219	56.2%	32,688	54.9%
FBP/BP Stable	7,892	13.4%	8,413	14.1%
Performance Decline	9,738	16.5%	11,163	18.8%

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		2009				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2008	FarBelowProficient	7.87%	2.73%	0.74%	0.04%	11.37%
	BelowProficient	4.42%	6.96%	4.25%	0.12%	15.75%
	Proficient	1.71%	7.40%	24.58%	5.26%	38.96%
	Advanced	0.09%	0.35%	9.82%	23.67%	33.92%
	Total	14.08%	17.44%	39.39%	29.08%	100.00%

		2008				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2007	FarBelowProficient	4,328	1,807	434	21	6,590
	BelowProficient	2,199	4,133	2,553	111	8,996
	Proficient	788	4,247	14,549	3,526	23,110
	Advanced	47	214	5,516	14,966	20,743
	Total	7,362	10,401	23,052	18,624	59,439

		2008				
		FarBelowProficient	BelowProficient	Proficient	Advanced	Total
2007	FarBelowProficient	7.28%	3.04%	0.73%	0.04%	11.09%
	BelowProficient	3.70%	6.95%	4.30%	0.19%	15.13%
	Proficient	1.33%	7.15%	24.48%	5.93%	38.88%
	Advanced	0.08%	0.36%	9.28%	25.18%	34.90%
	Total	12.39%	17.50%	38.78%	31.33%	100.00%

	2008 to 2009		2007 to 2008	
Performance Increase	7,755	13.1%	8,452	14.2%
Prof/Adv Stable	28,487	48.3%	29,515	49.7%
FBP/BP Stable	8,753	14.8%	8,461	14.2%
Performance Decline	14,043	23.8%	13,011	21.9%

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Yellow = Stable	Green = increases	Orange/Tan - decline

Matched comparison includes students who tested in the first year and then tested the following year in the next grade for grades 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10