

Marshfield Public Schools



School Data Presentation
February 2008

Tonight's Agenda...

Introductions

Why are we sharing this data?

Data presentation

MCAS – Grades 3-10 (P. Spencer and S. Borstel)

Adequate Yearly Progress (S. Borstel)

District Data (R. Keuther and C. Ford)

Question and Answer

MCAS Data

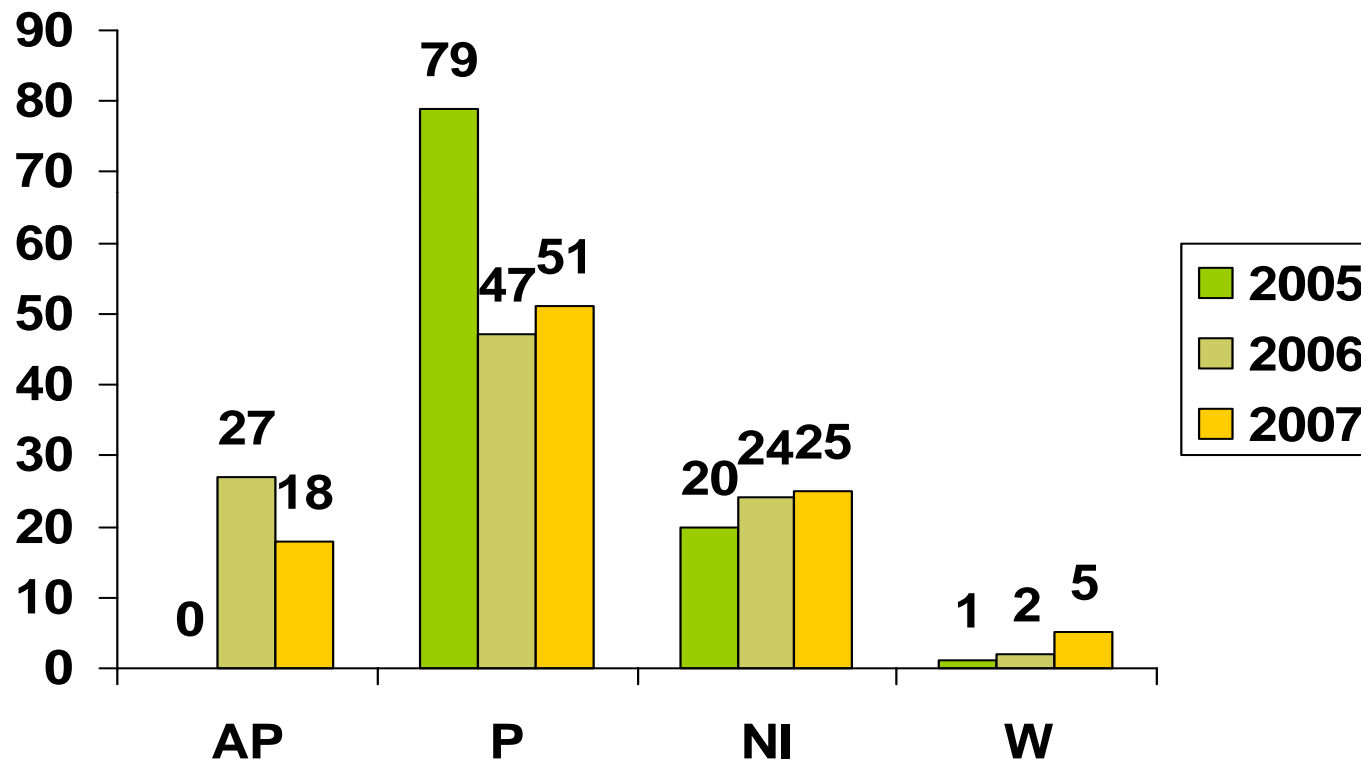
Grades 3-10



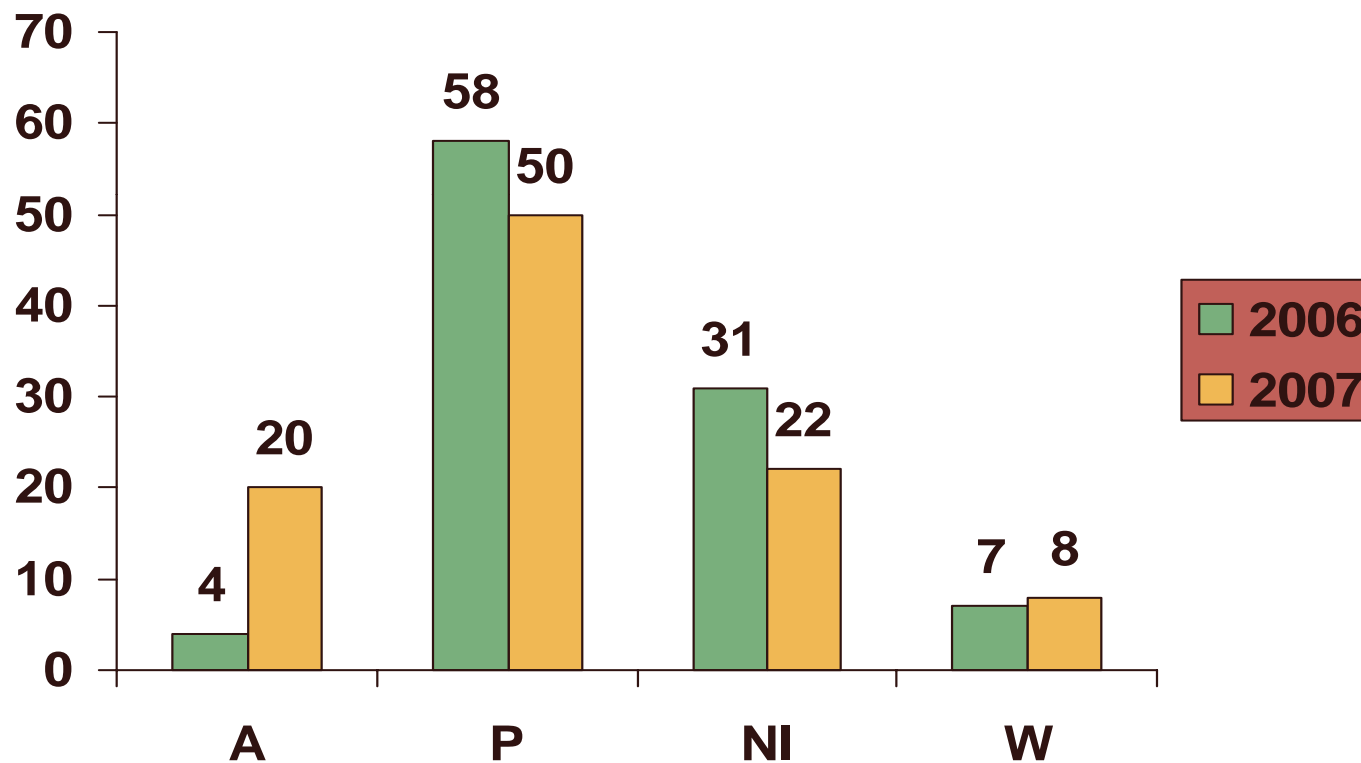
Spring 2007 MCAS Participation

Grade	Area Tested	Results Reported
3	Reading / Math	Reading / Math
4	ELA / Math	ELA / Math
5	ELA / Math / Science / History	ELA / Math / Science
6	ELA / Math	ELA / Math
7	ELA / Math / History	ELA / Math
8	ELA / Math / Science	ELA / Math / Science
9/10	End of Course Science - Biology	None
10	ELA/ Math	ELA / Math

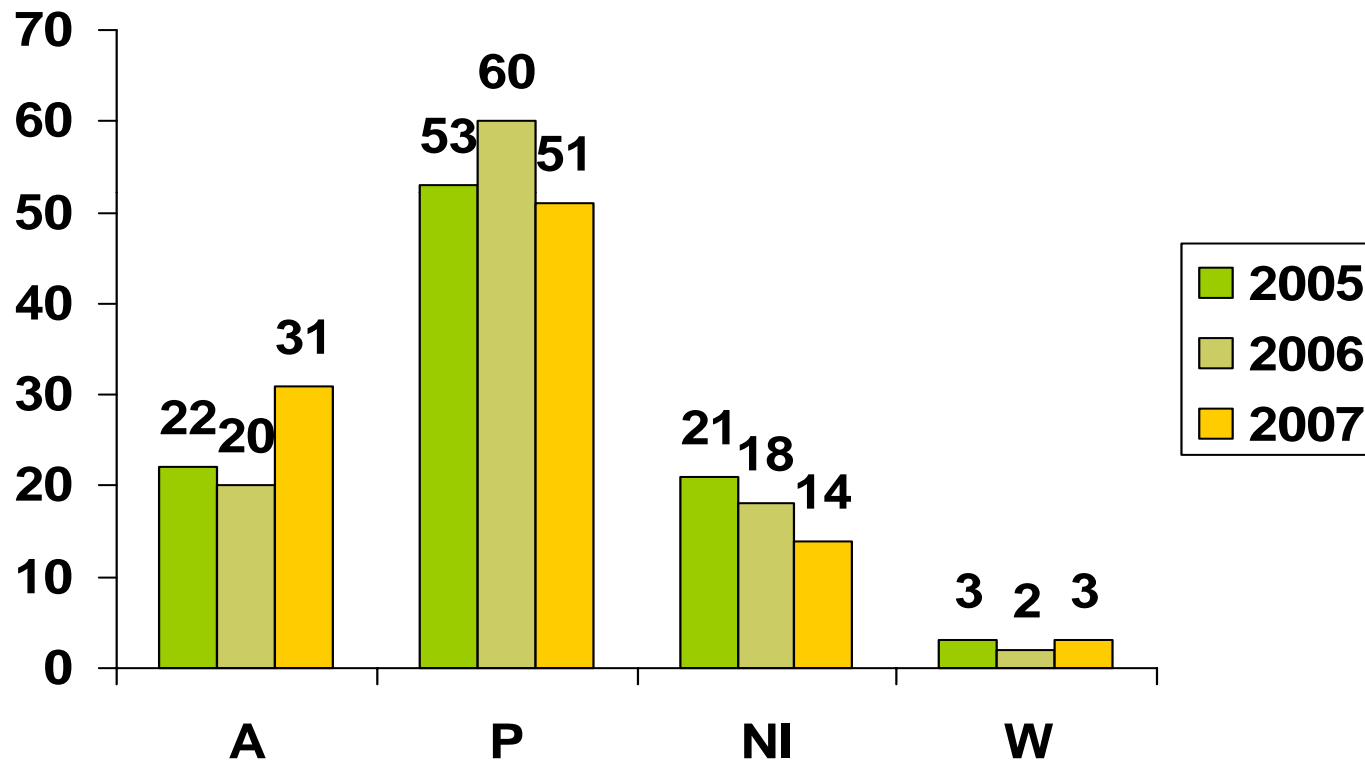
Spring of 2007 MCAS Results- Grade 3 Reading



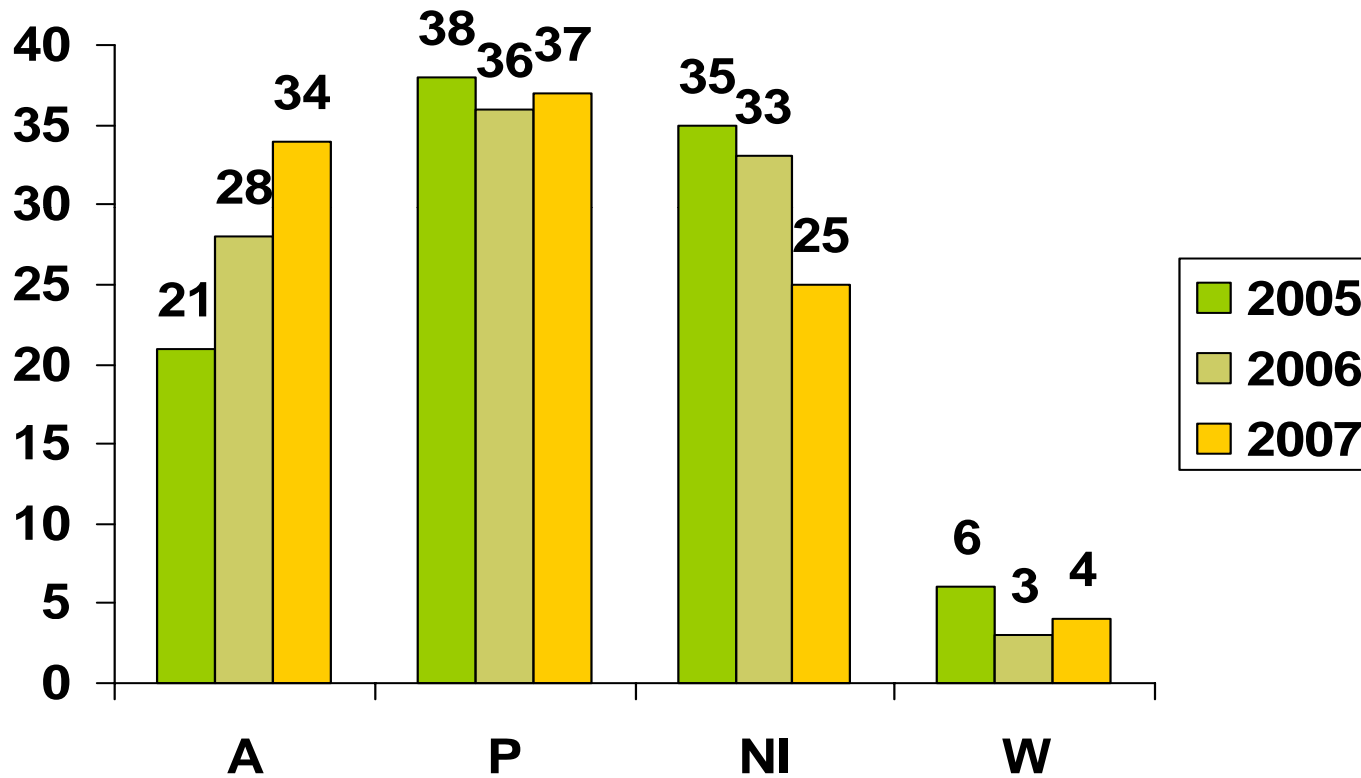
Spring of 2007 MCAS Results- Grade 3 Math



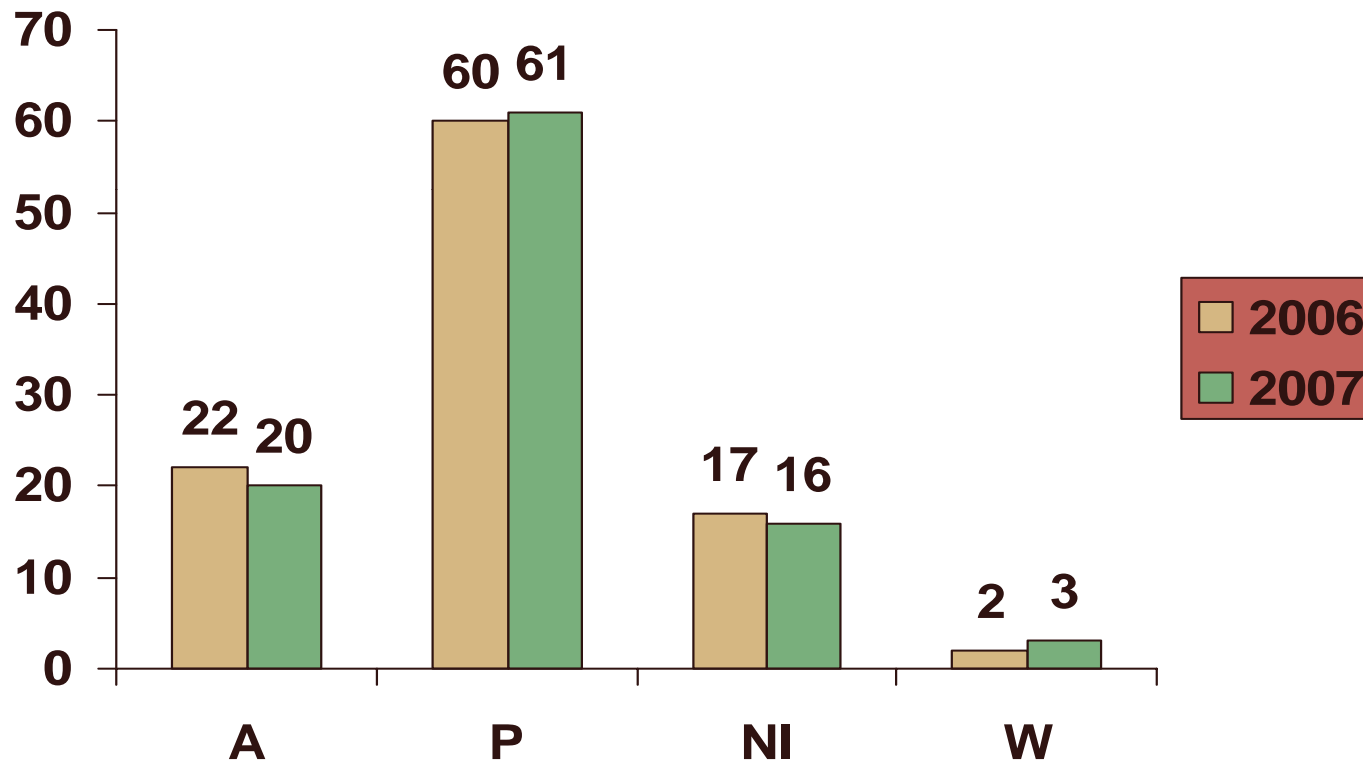
Spring of 2007 MCAS Results- Grade 4 ELA



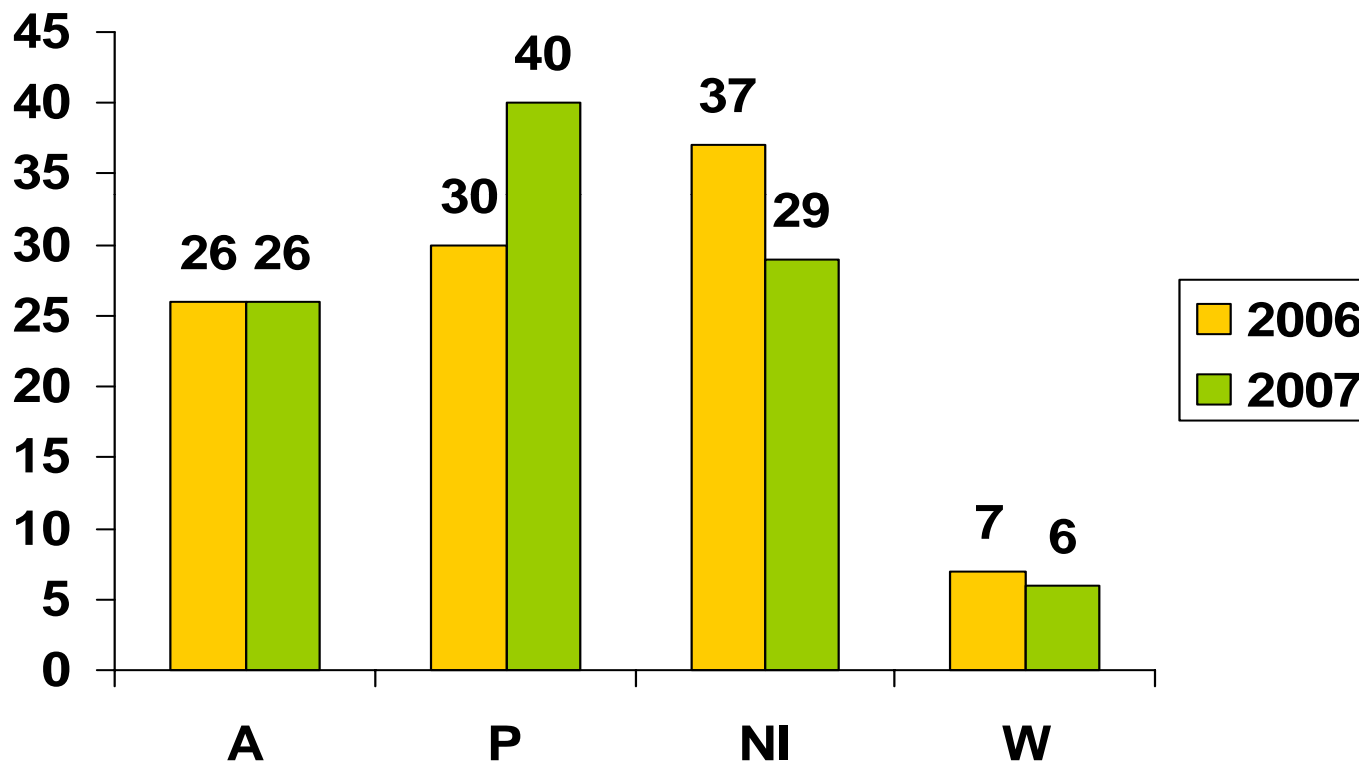
Spring of 2007 MCAS Results- Grade 4 Math



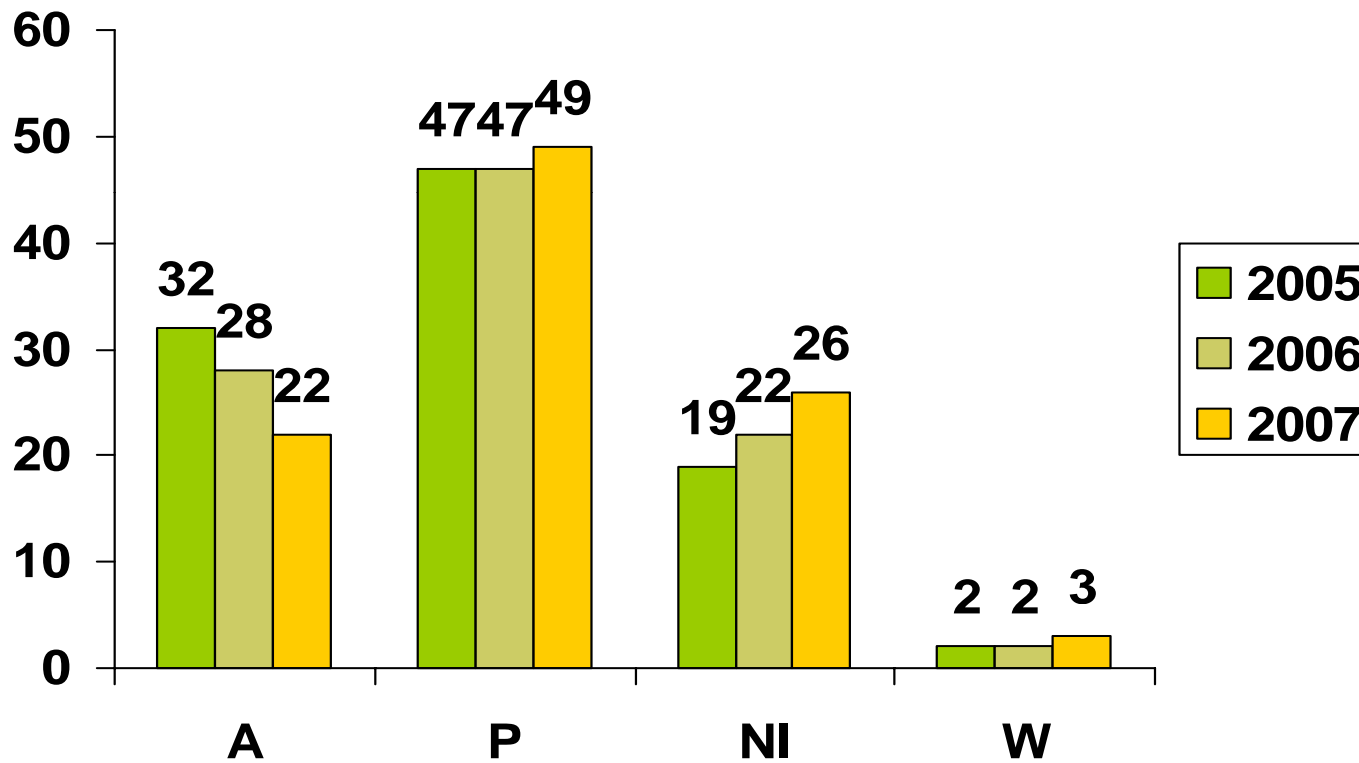
Spring of 2007 MCAS Results- Grade 5 ELA



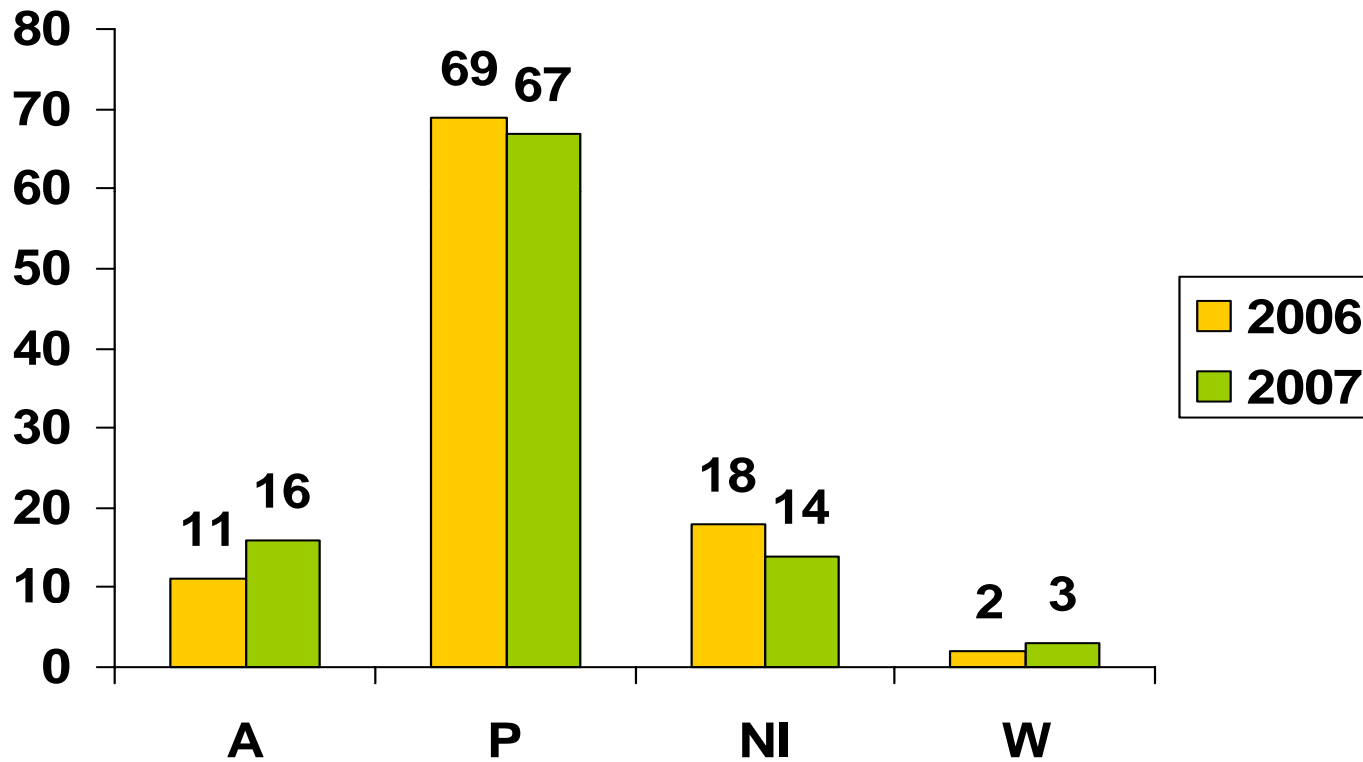
Spring of 2007 MCAS Results- Grade 5 Math



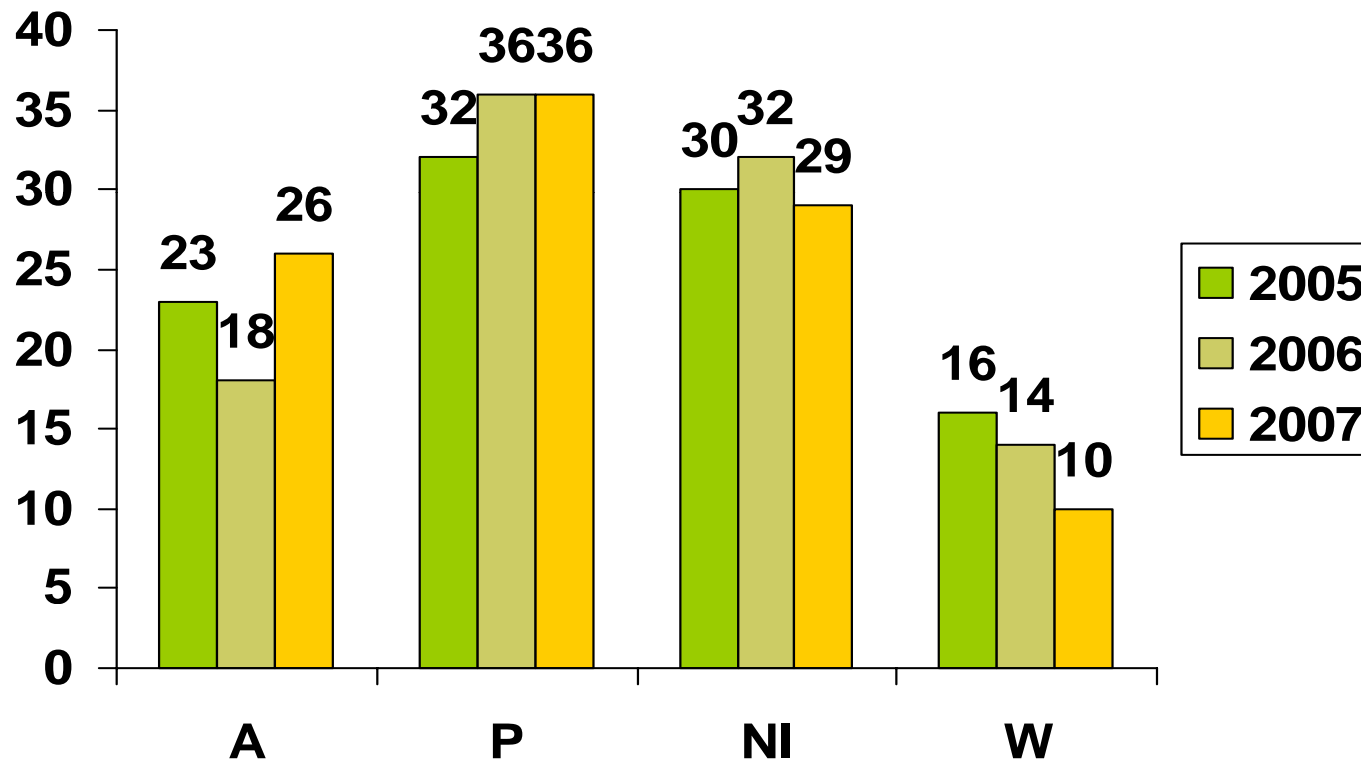
Spring of 2007 MCAS Results- Grade 5 Science / Technology / Engineering



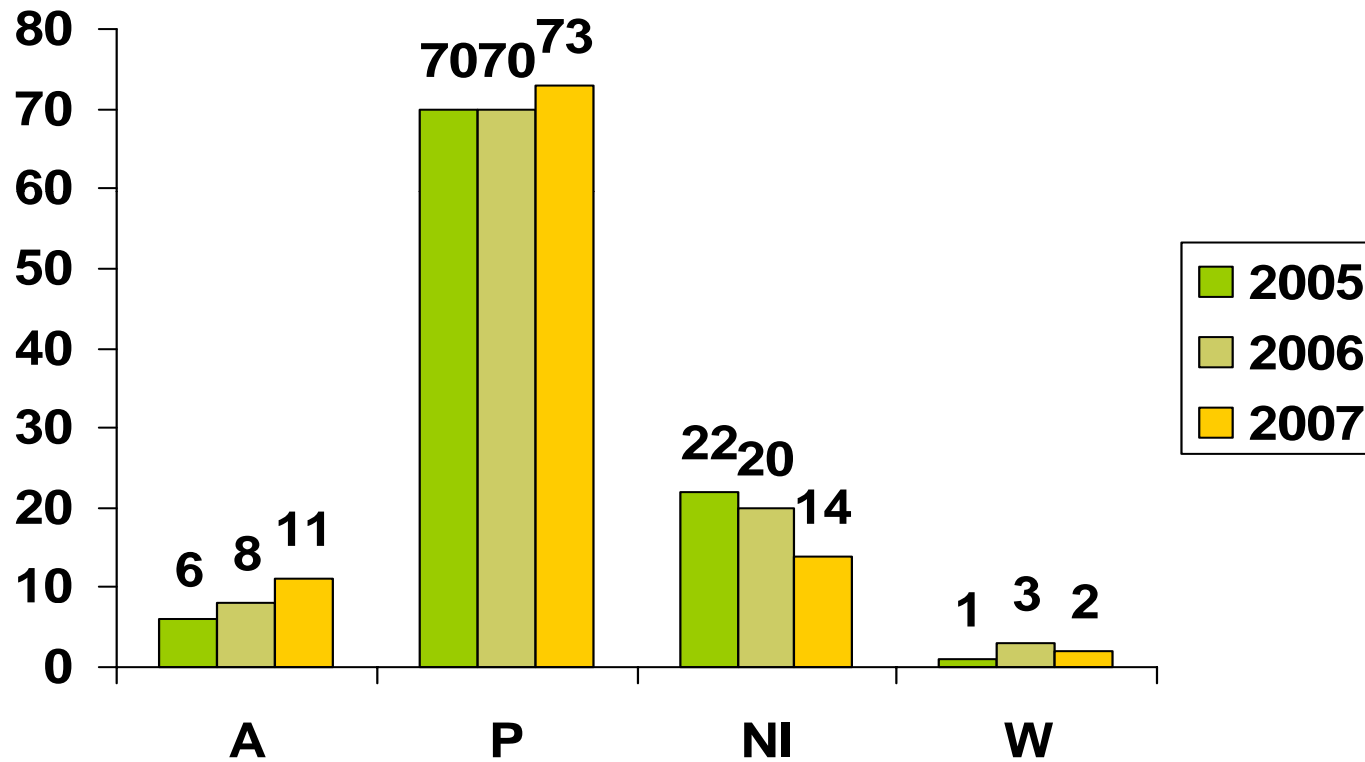
Spring of 2007 MCAS Results- Grade 6 ELA



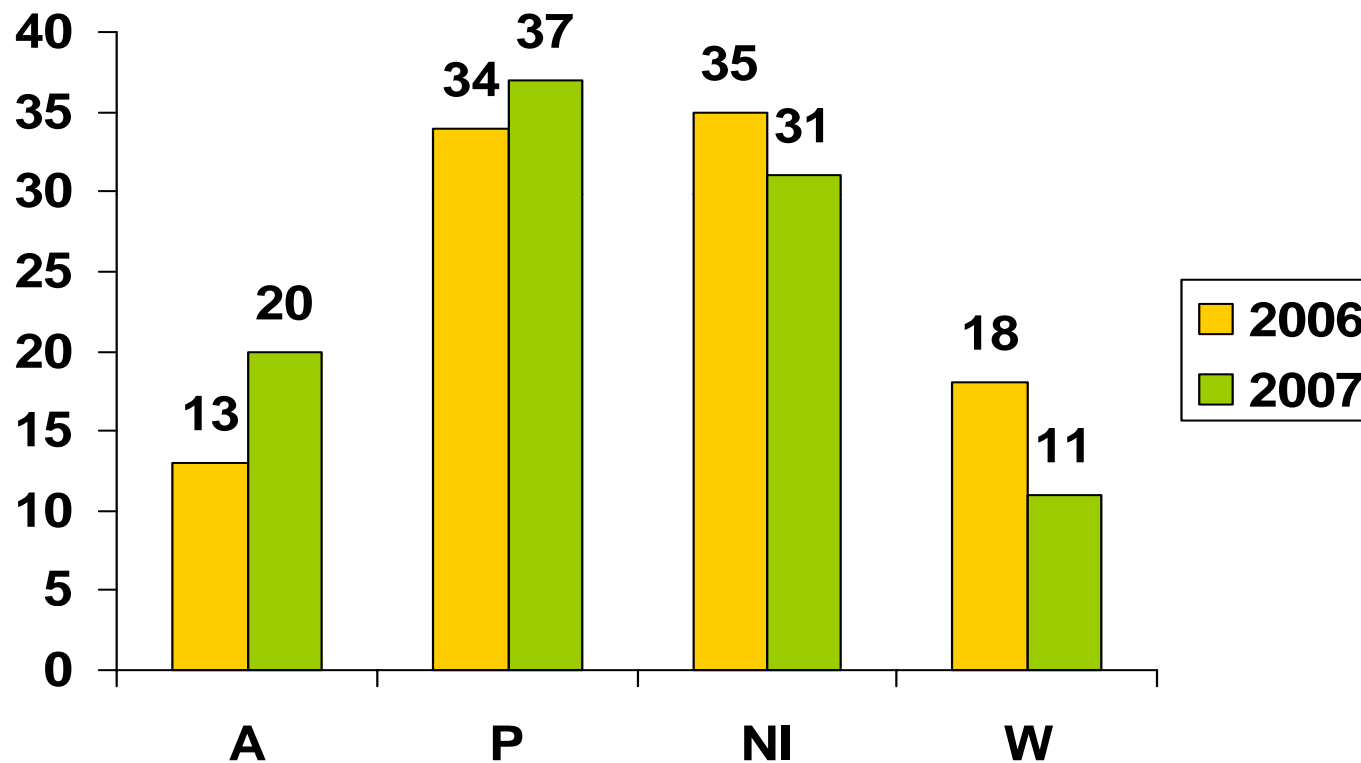
Spring of 2007 MCAS Results- Grade 6 Math



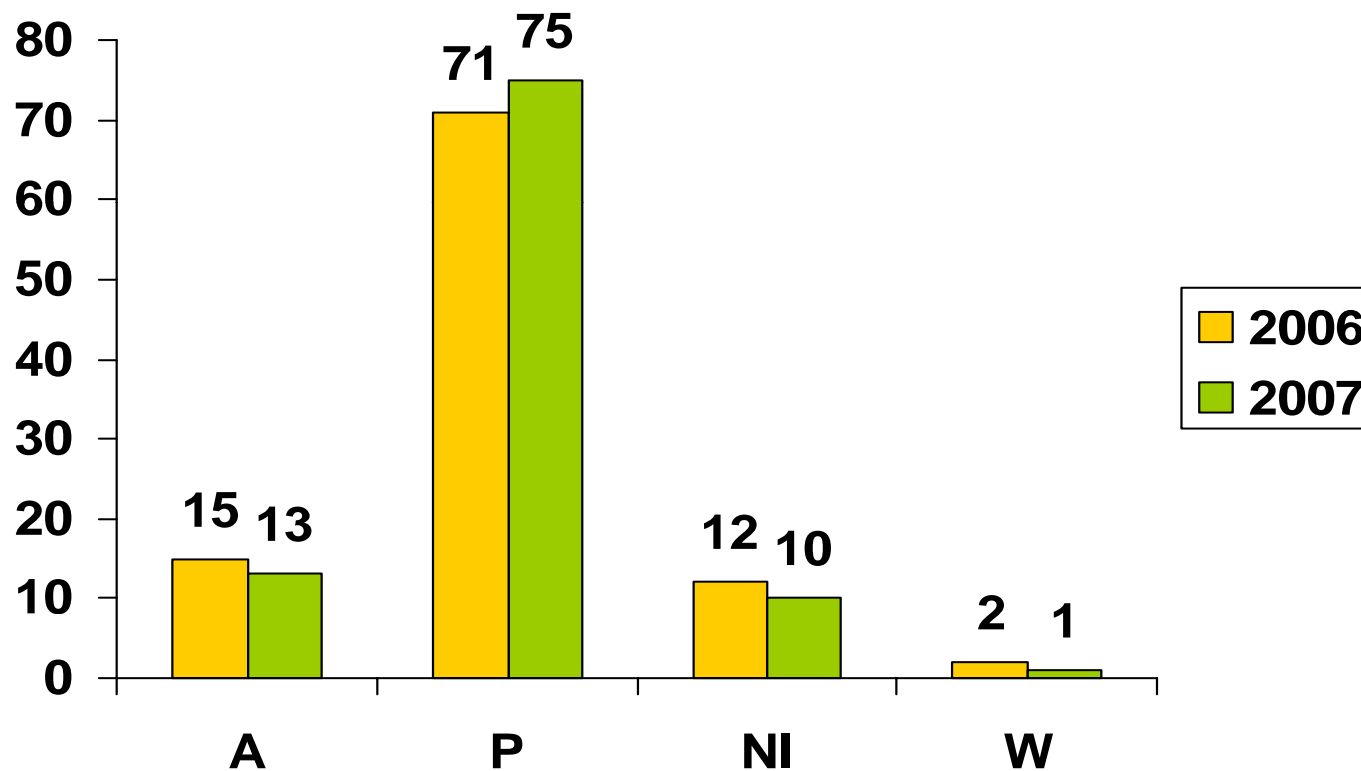
Spring of 2007 MCAS Results- Grade 7 ELA



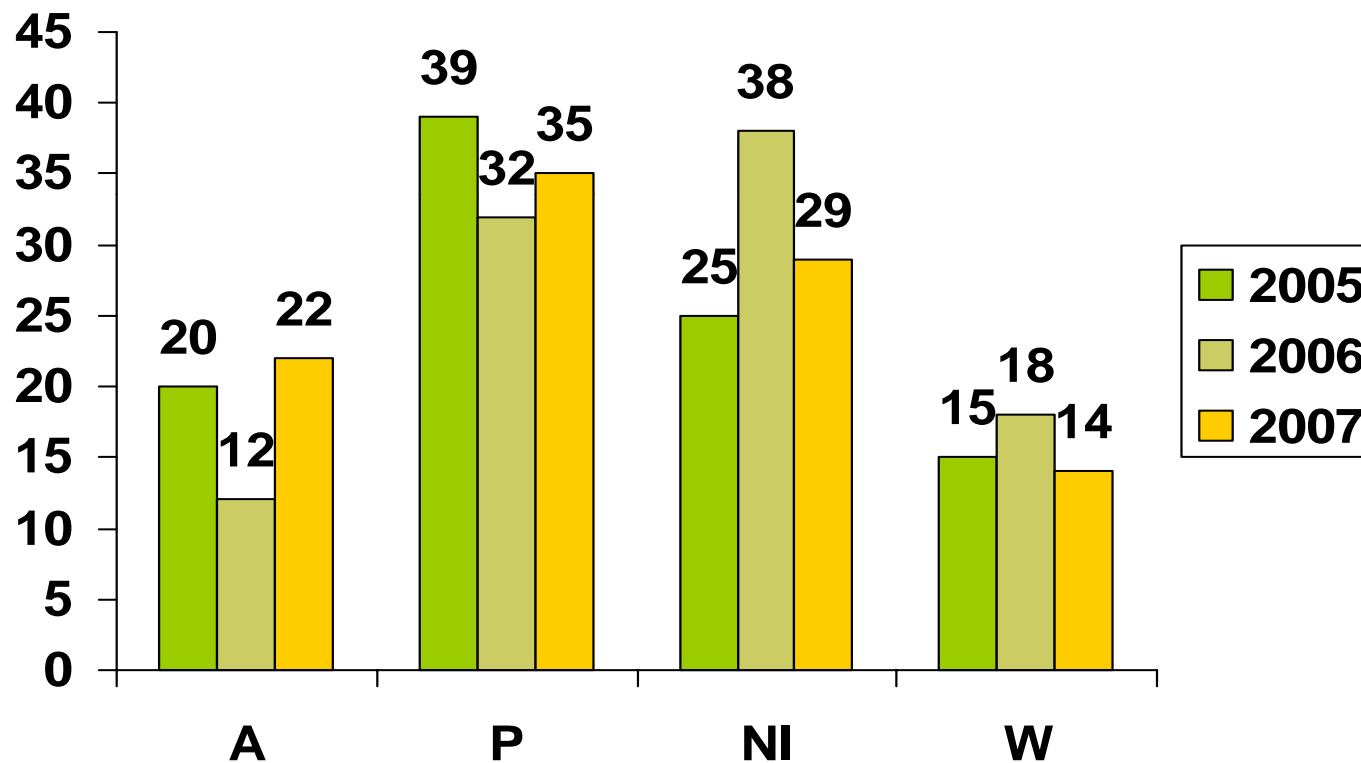
Spring of 2007 MCAS Results- Grade 7 Math



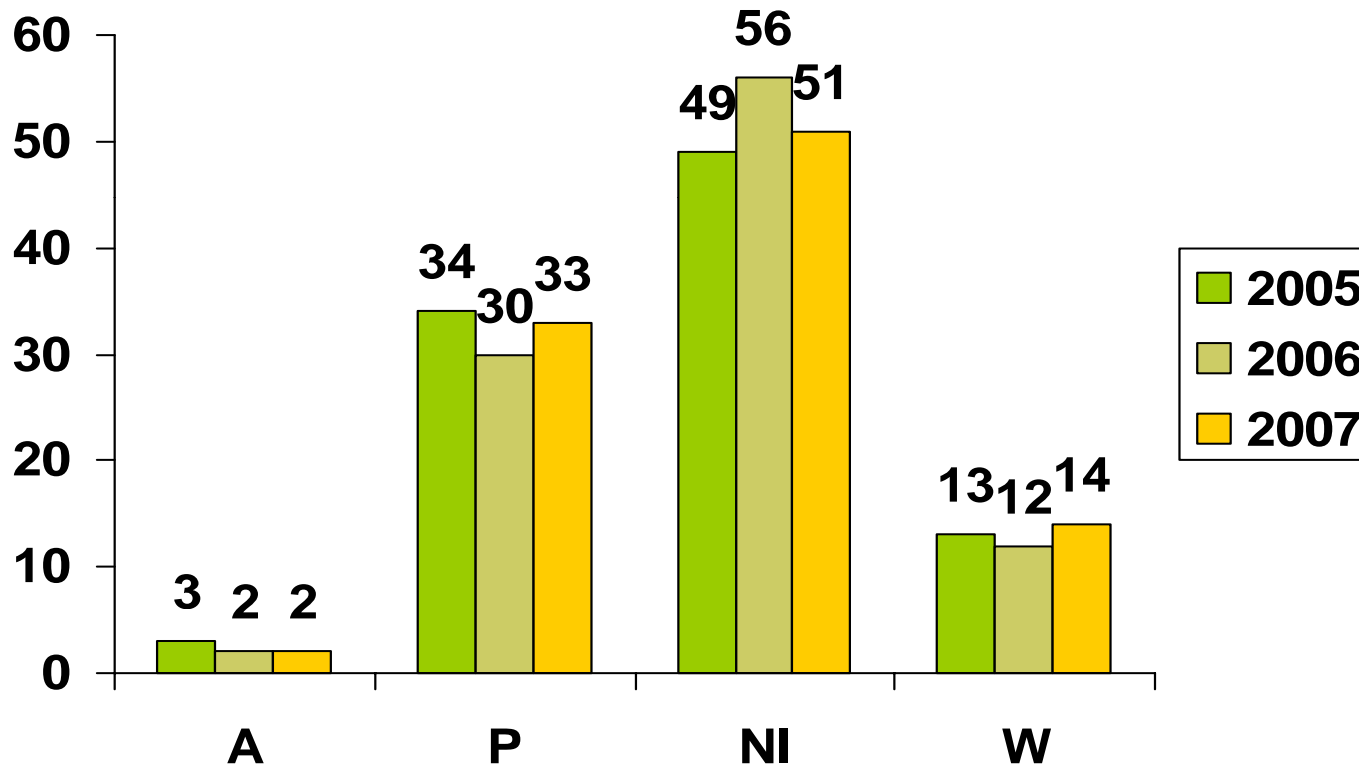
Spring of 2007 MCAS Results- Grade 8 ELA



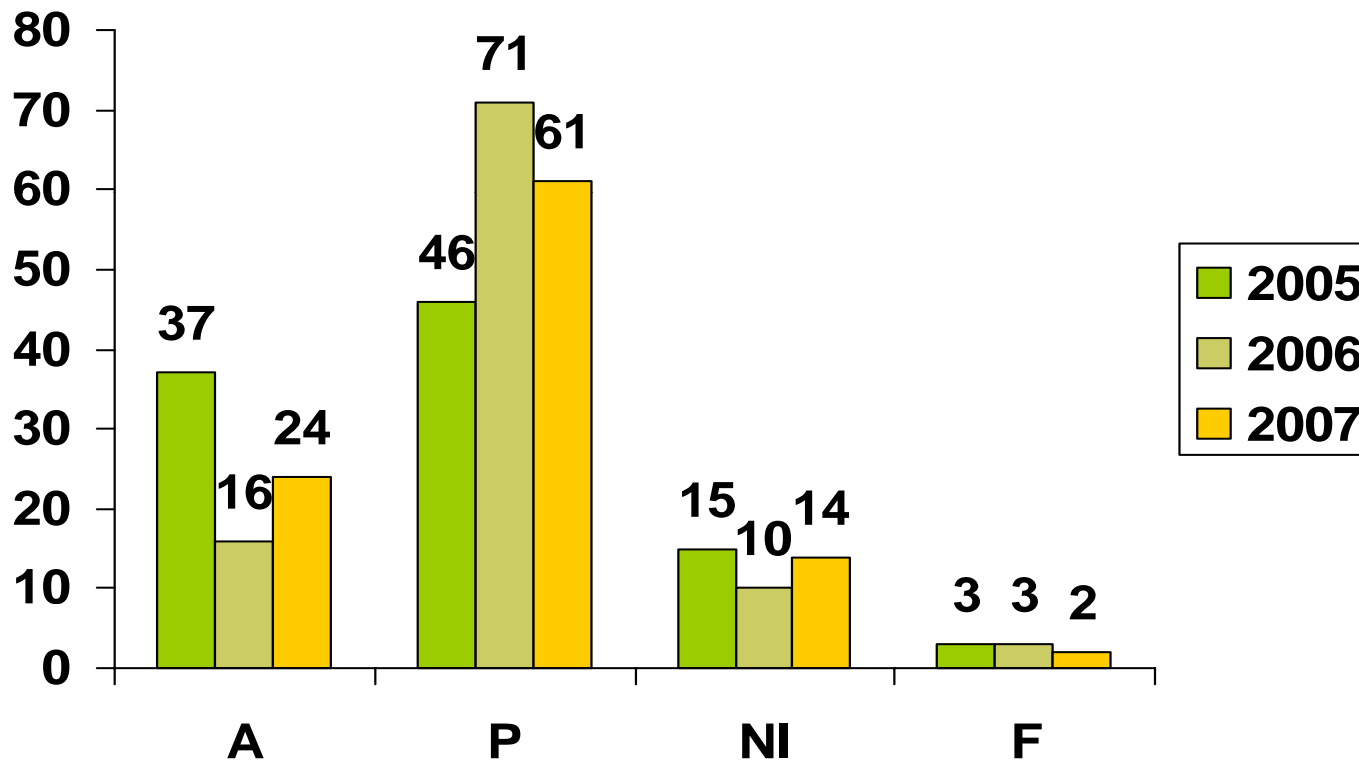
Spring of 2007 MCAS Results- Grade 8 Math



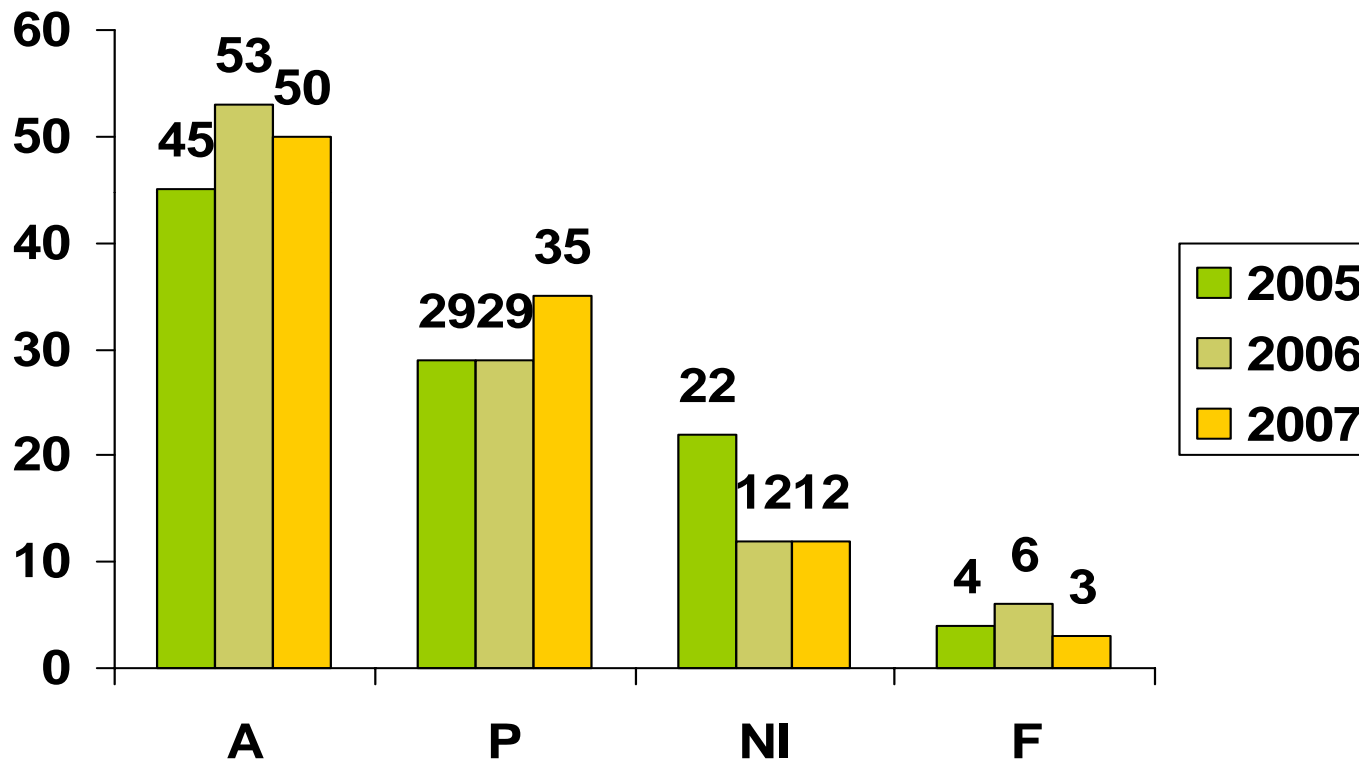
Spring of 2007 MCAS Results- Grade 8 Science / Technology / Engineering



Spring of 2007 MCAS Results- Grade 10 ELA



Spring of 2007 MCAS Results- Grade 10 Math



Spring 2007 MCAS... What is happening as a result of the data?

Analysis of results has taken place at all three levels

The results of this analysis are being shared with faculty to inform classroom instruction

Student Success Plans are developed for students receiving a warning / failing score

Grade 9-12- MCAS academic support programs in place

Marshfield Public Schools

**Adequate Yearly
Progress
(NCLB = Federal)**

What is AYP?

Stands for Adequate Yearly Progress
(Federal standard)

Means progress toward 100% of students
achieving proficiency in key subject areas
by 2014

Measures progress against specific
expectations each year

Composite Performance Index

MA Measures proficiency with a 100-point index scale: the CPI

Points awarded based on number of students performing at each level on MCAS

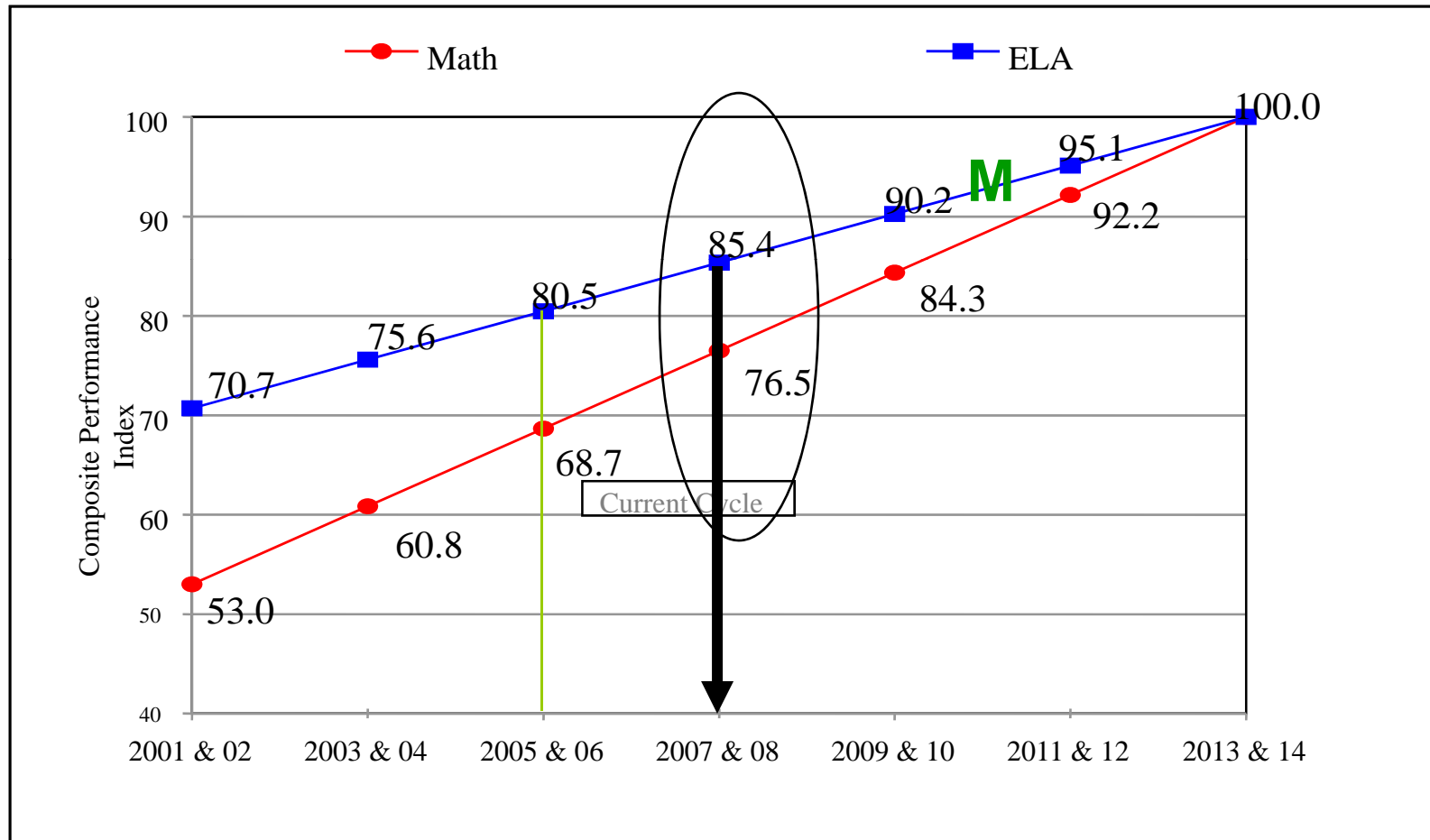
Different performance measure for students with significant cognitive disabilities who participate in MCAS-Alt

Just simple math! Multiply, add, then divide!

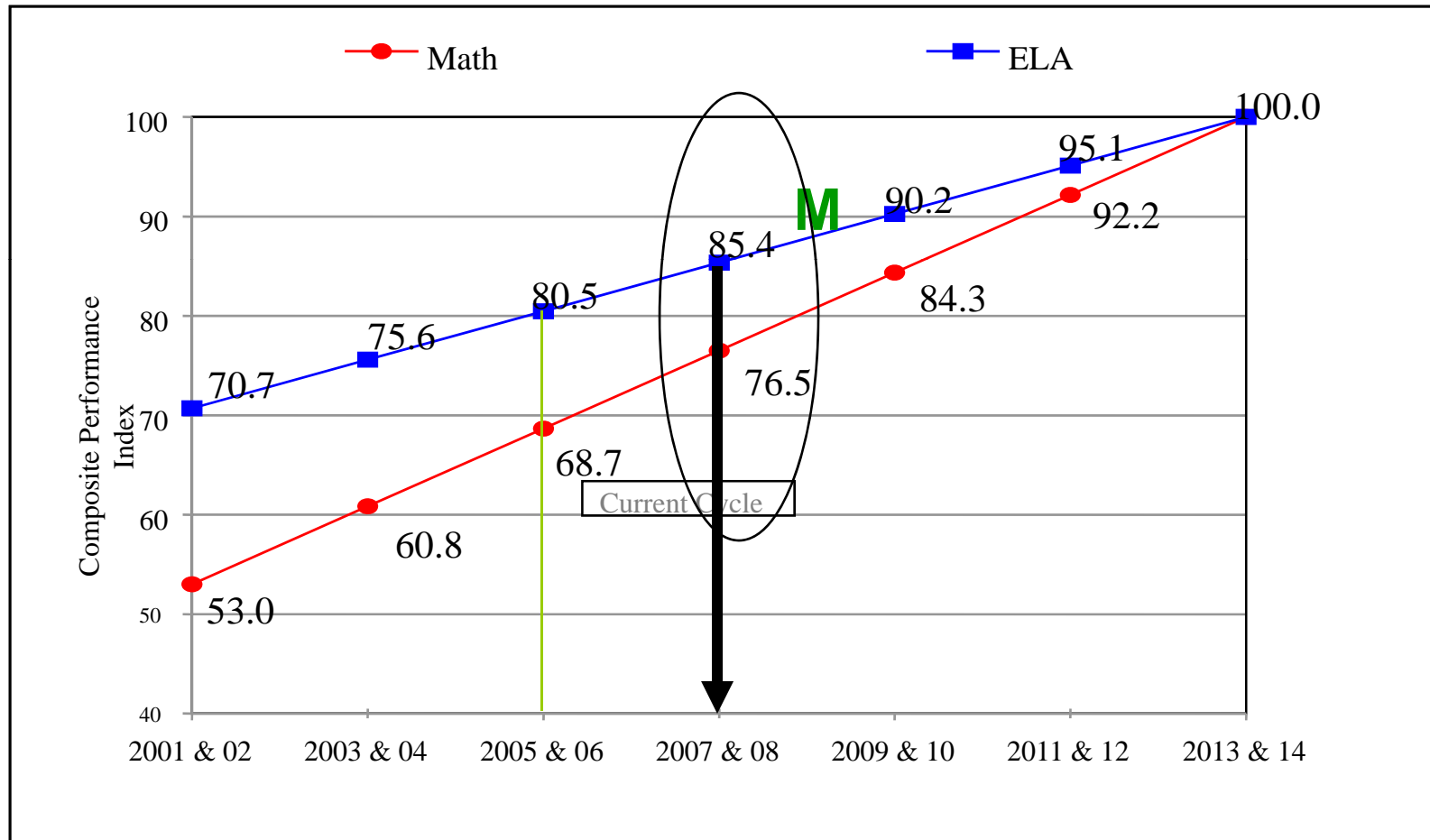
Sample CPI Calculation

Students Taking Standard MCAS Tests			
# of Students	Performance Level	Index Points	Total Index Points
5	Failing – Low	0	0
5	Failing – High	25	125
20	Needs Improvement - Low	50	1000
40	Needs Improvement - High	75	3000
25	Proficient	100	2500
5	Advanced	100	500
Students Taking MCAS -Alt			
2	Emerging	75	150
1	Progressing	100	100
Total Points Awarded			7375
Total # of Students Tested			103
CPI (Total Points Divided by Total Students)			71.6

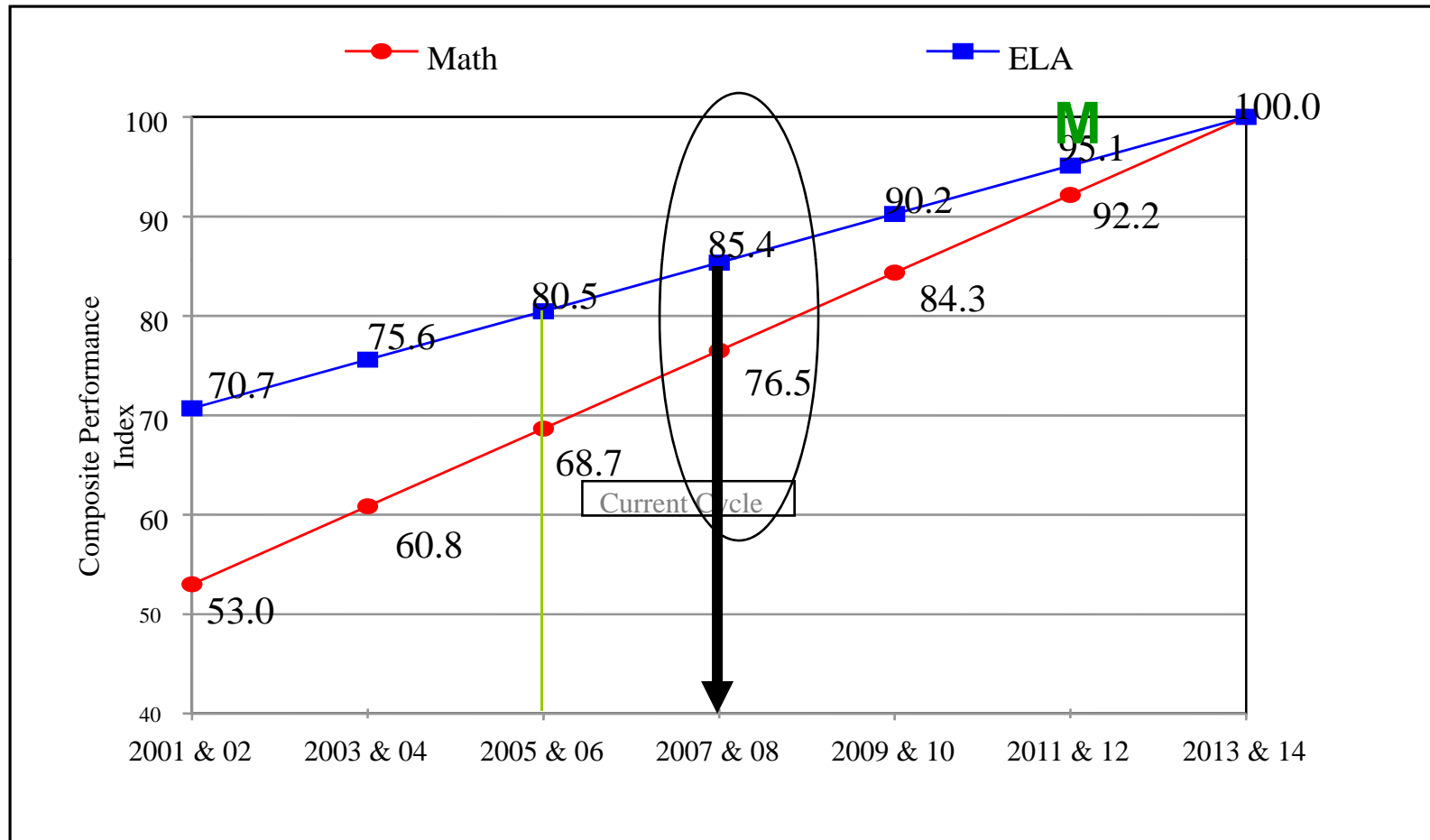
MA NCLB Performance Targets for ELA and Math 2001-2014 –Elementary ELA



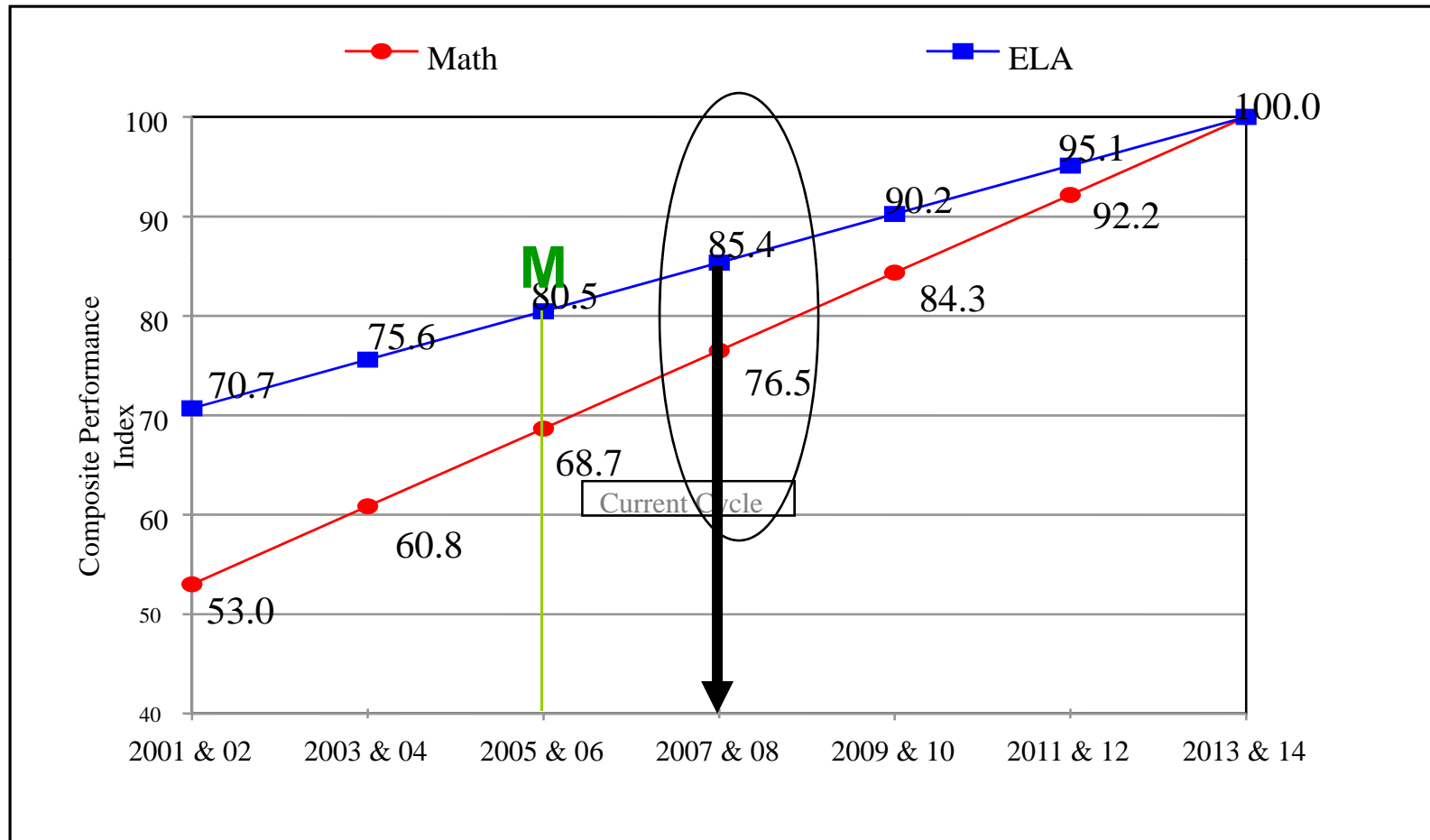
MA NCLB Performance Targets for ELA and Math 2001-2014 –Elementary Math



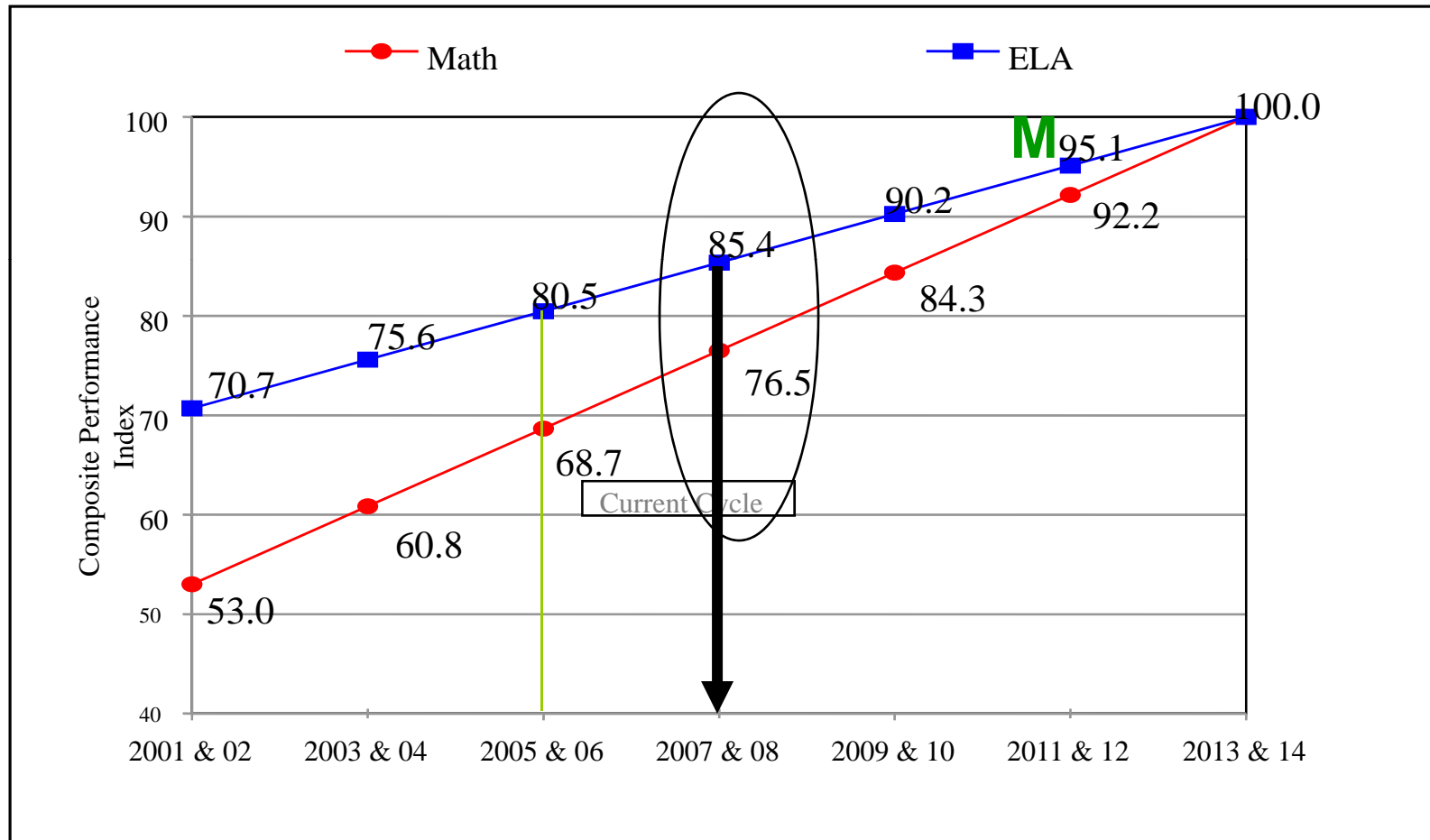
MA NCLB Performance Targets for ELA and Math 2001-2014 –Middle School ELA



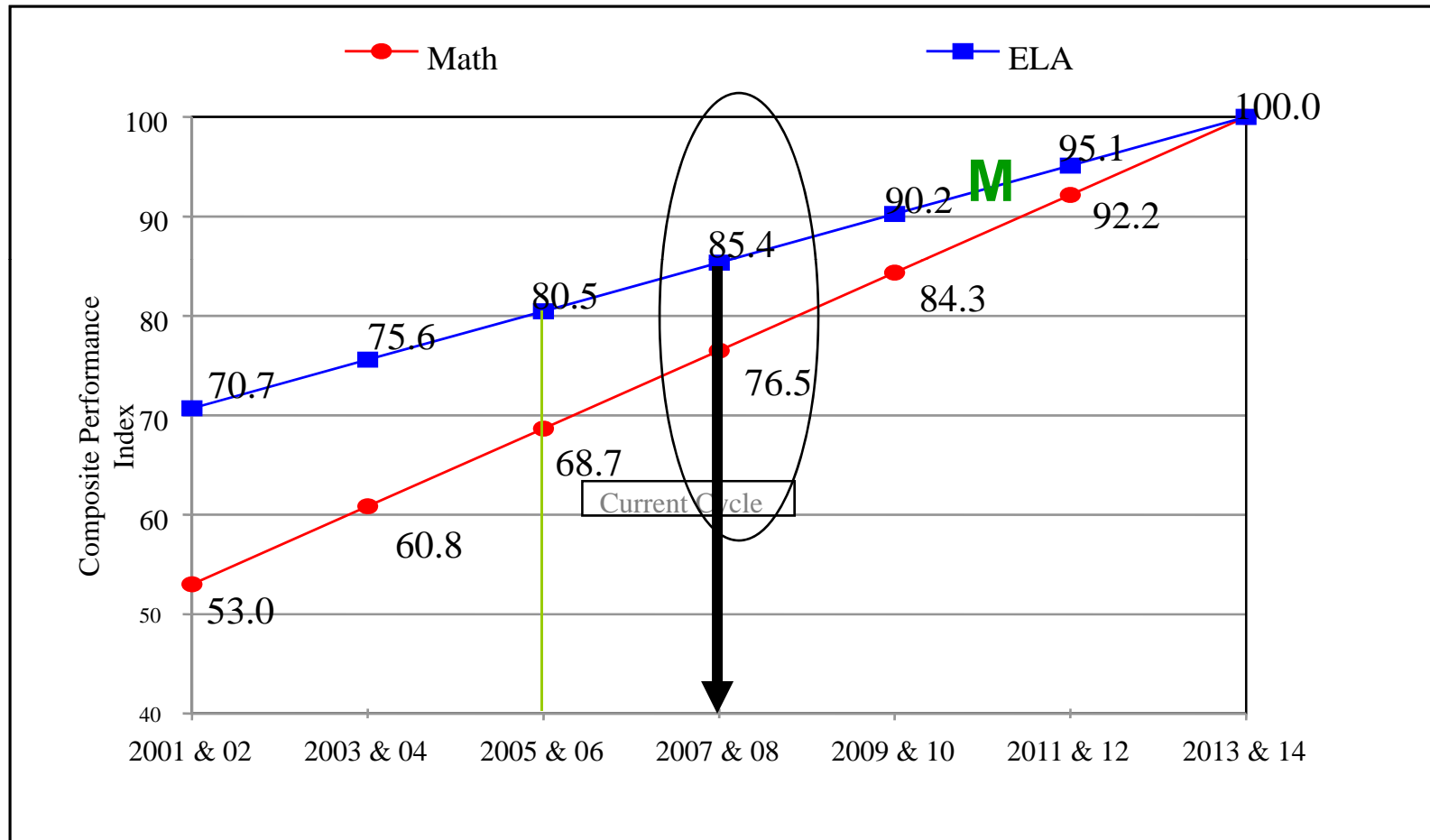
MA NCLB Performance Targets for ELA and Math 2001-2014 –Middle School Math



MA NCLB Performance Targets for ELA and Math 2001-2014 –High School ELA



MA NCLB Performance Targets for ELA and Math 2001-2014 – High School Math



How is AYP Calculated?

$$A + (B \text{ or } C) + D = \text{AYP}$$

A

Participation Rate

95 % or greater in MCAS or MCAS Alt

+

(B or C)

Performance

80.5 or greater CPI in ELA

68.7 or greater CPI in math

Improvement

Meet or exceed Mid – cycle target

+

D

Attendance (92%+)

CD (70% +)

When Schools Do Not Make AYP...

Parent / Guardian Notification

Review of School Improvement Plan –
Develop plan for improving student
performance (AYP Report)

School Choice (Title I)

Supplemental Educational Services

Impact on grant expenditures

State regulation on school management

AYP and the Marshfield Public Schools

Elementary- CPI = 87.5 / 92.2

**Did not make AYP for first year in Math /
ELA for Low Income and Special
Education subgroups**

Middle School- CPI = 80.3 / 95.5

**Made AYP in all subgroups for the first
time in 4 years**

Remain in Corrective Action status

High School – CPI = 92.9 / 94.3

Made AYP in all subgroups

District Data

Data is reflective of student performance and services provided, PreK-12



What data should we use to measure our students' performance?

Percentage of students going on to 2-year and 4-year colleges

Where students are going to college

Drop out rate

Average daily attendance

PSAT

SAT

Advanced Placement Enrollment

Advanced Placement Results

Number of middle school students taking high school level courses (Foreign Language / Math)

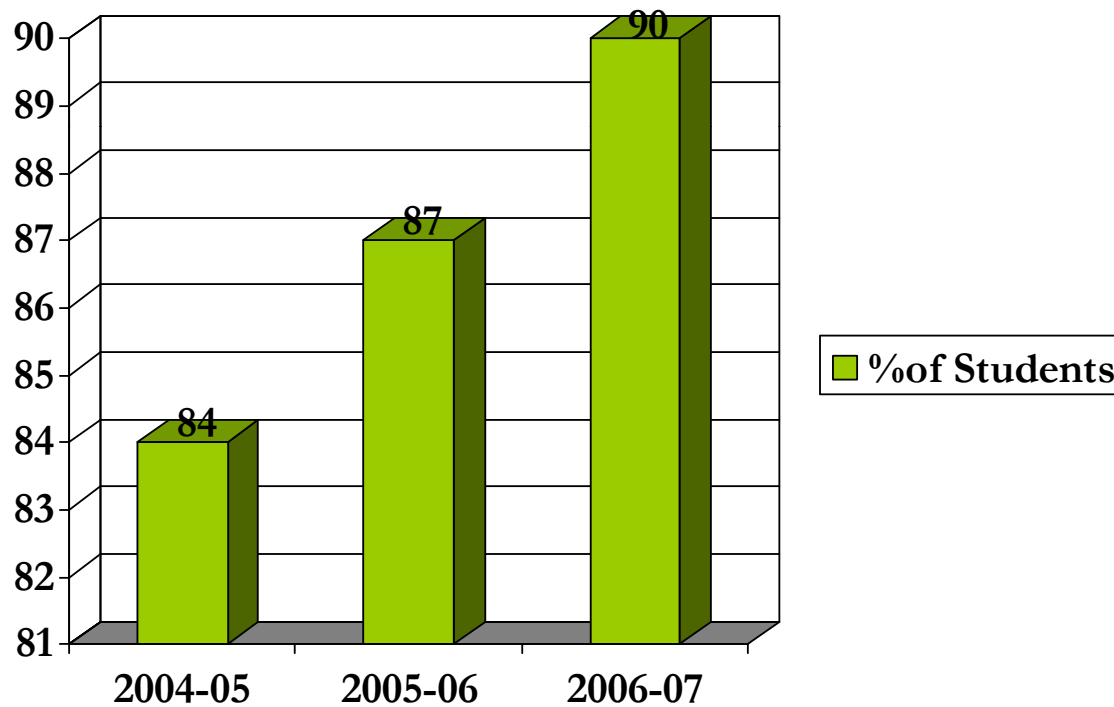
Number of high school seniors completing more years in content courses than required

Number of students participating in the performing arts

Number of students participating in athletics

Number of students participating in after school clubs

Percentage of students going on to 2-year and 4-year colleges



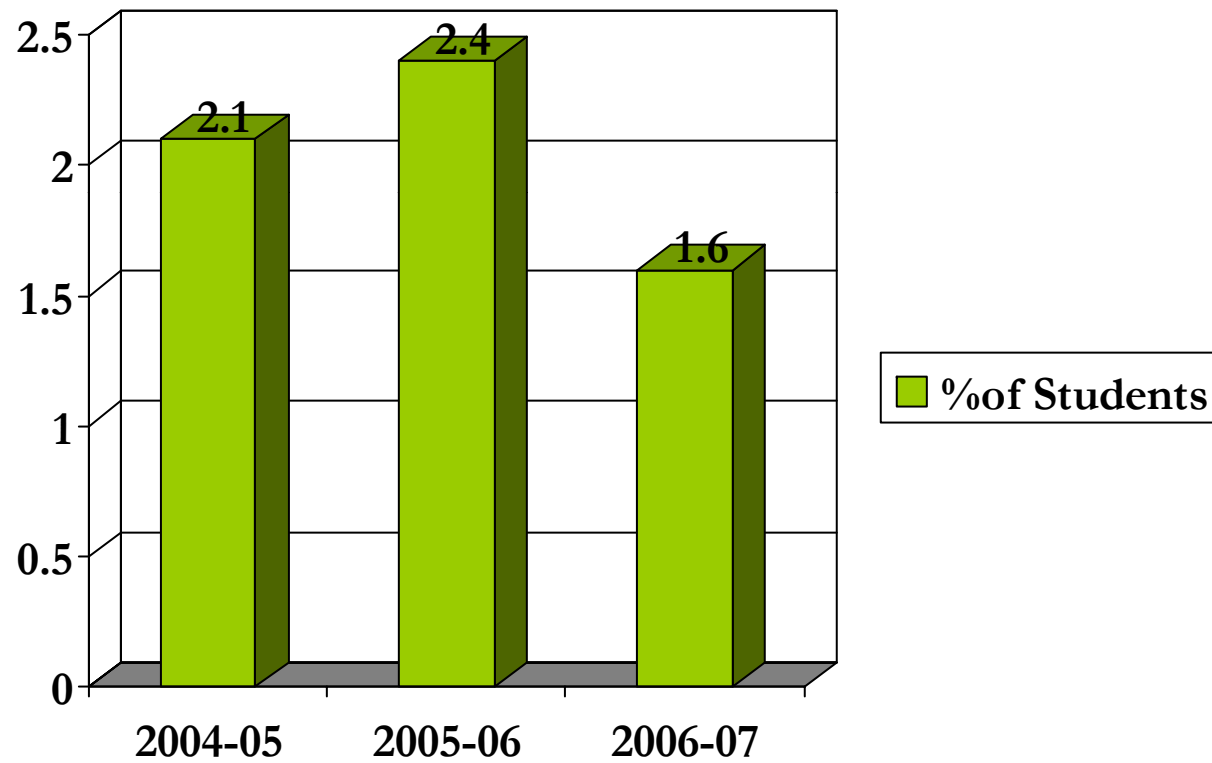
Where students are going to college

The class of 2007 selected 98 different colleges and universities to attend.

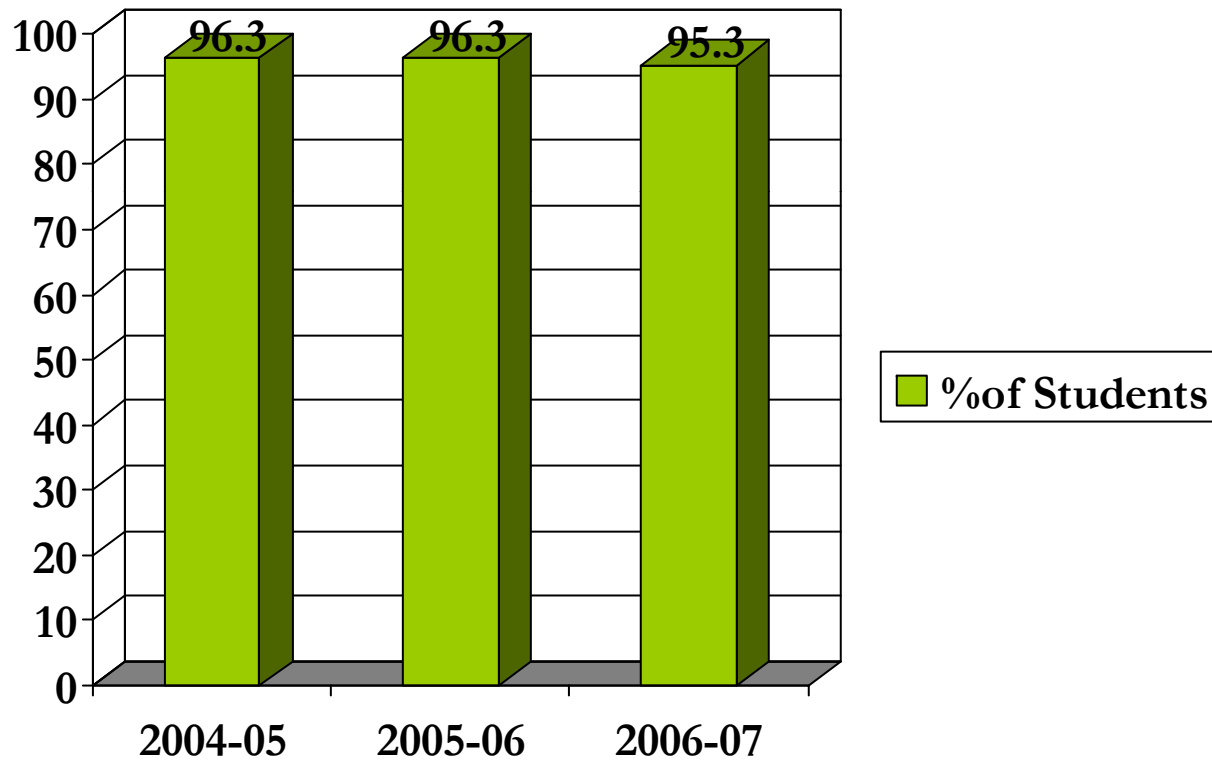
From Harvard University...

...to Kapiolani Community College.

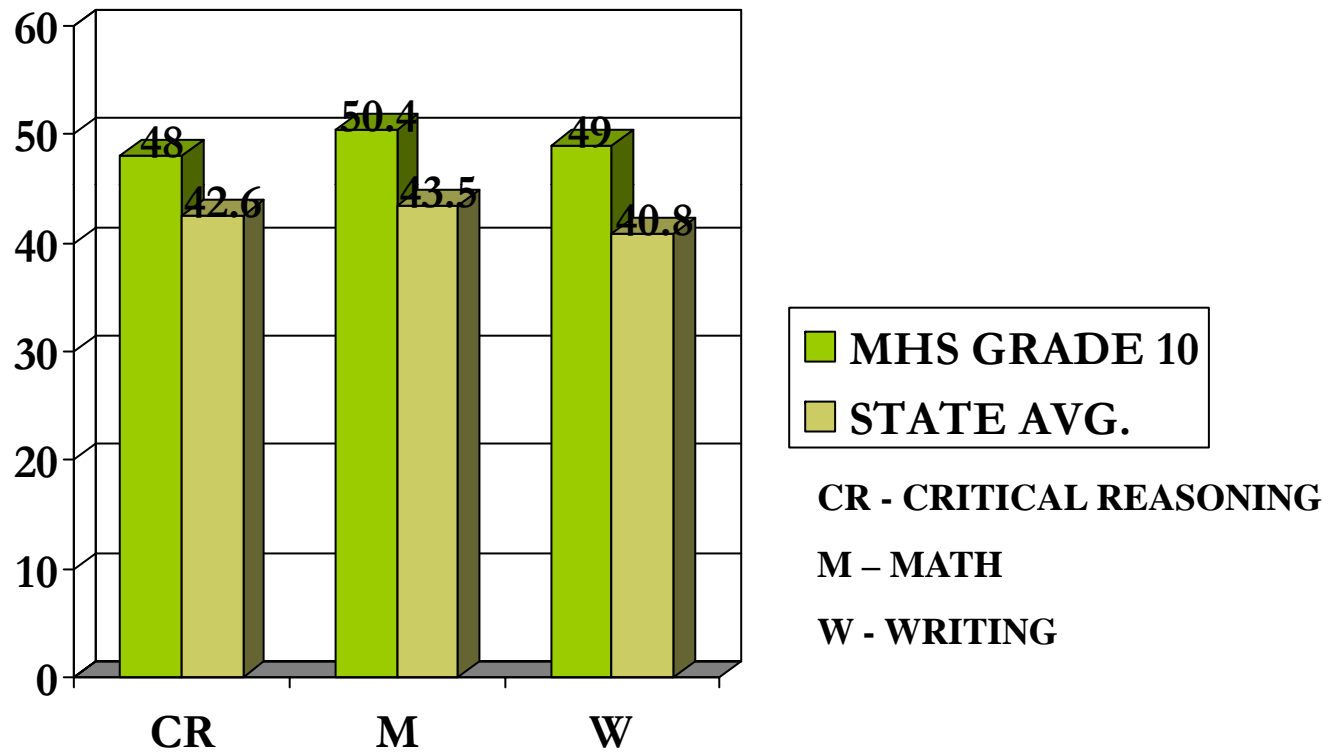
Drop Out Rate



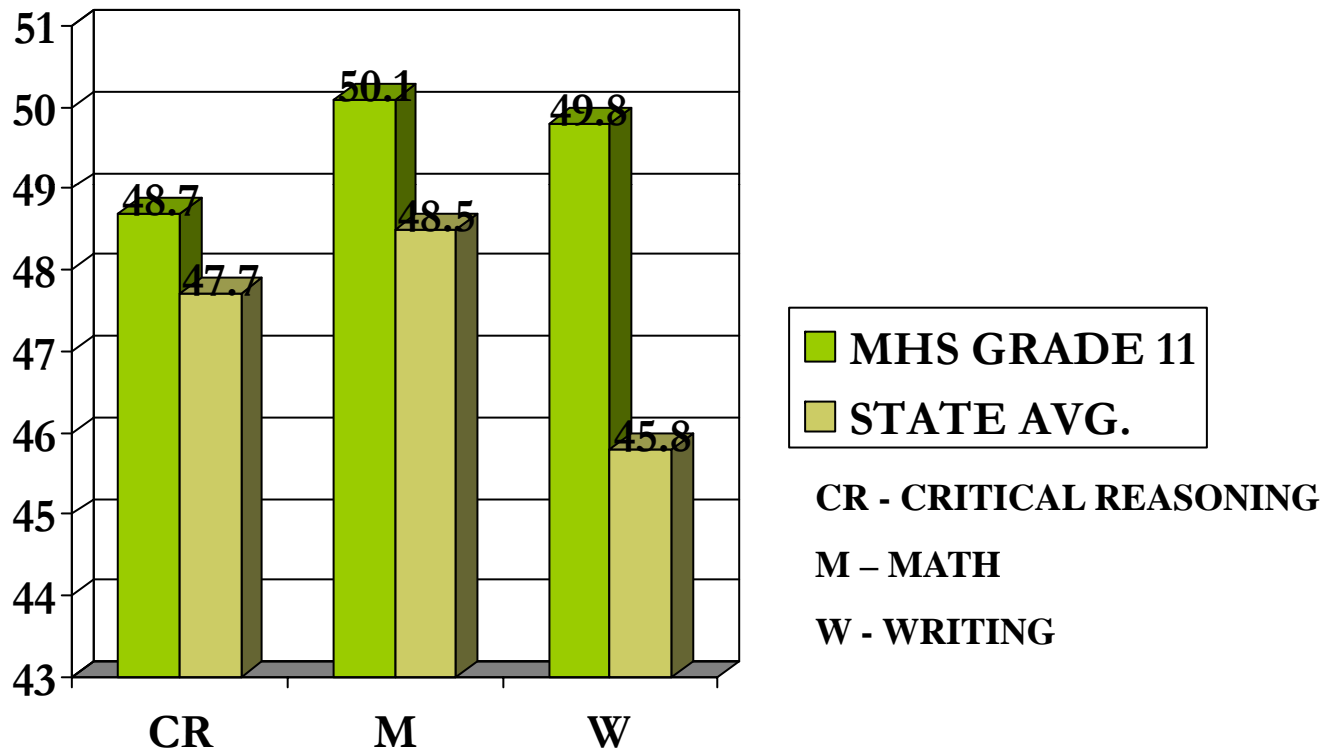
Average Daily Attendance



PSAT Results – 2006 grade 10



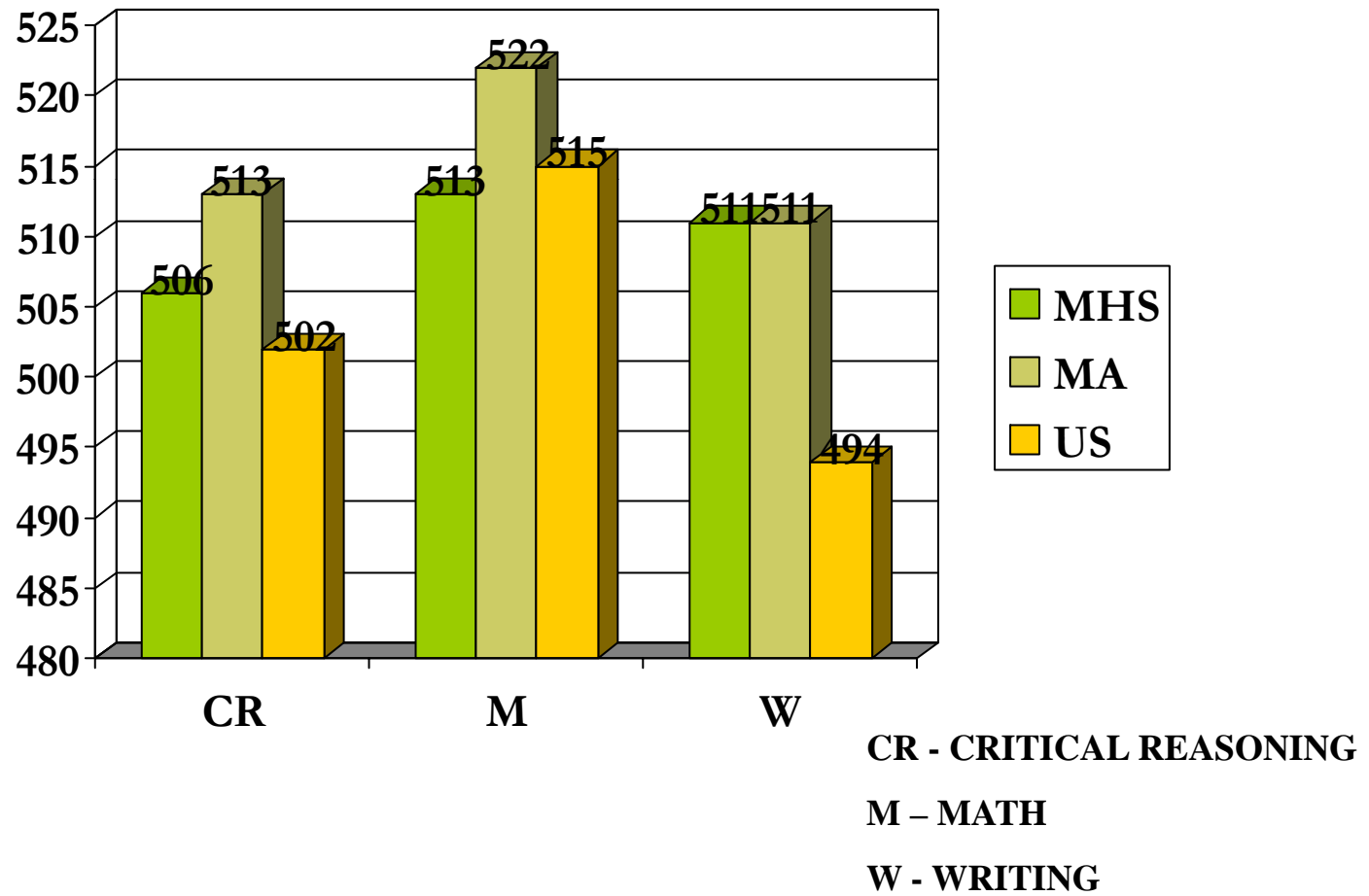
PSAT Results – 2006 grade 11



Percent Participation for SAT I Across 5 years:

Year	Gr 12 Total	SAT Takers	% Particip.	CR	M
2007	287	277	96.5	506	513
2006	304	285	93.7	514	528
2005	279	237	84.9	520	523
2004	330	277	83.9	511	510
2003	331	254	76.7	521	526

SAT Results – 2007



Advanced Placement Enrollment

COURSE	2007-08 ENROLLMENT	2006-07 ENROLLMENT
AP ENGLISH LANGUAGE	46	0
AP ENGLISH LITERATURE	26	37
AP CALCULUS	13	11
AP SPANISH 5	10	10
AP FRENCH 5	4	13
AP CHEMISTRY	9	8
AP EUROPEAN HISTORY	32	36
AP US HISTORY	41	33
AP JAVA	4	3
AP ART 2-D DESIGN	6	5
AP ART 3-D DESIGN	0	2

Advanced Placement Results

COURSE	MHS 2007	CB MEAN
AP ENGLISH LITERATURE	3.78	2.78
AP CALCULUS	3.63	2.94
AP CHEMISTRY	1.75	3.38
AP US HISTORY	2.8	2.75
AP SPANISH 5	2.65	2.64
AP FRENCH 5	1.38	2.82
AP EUROPEAN HISTORY	3.1	2.84
AP JAVA	3.67	3.38
AP ART 2-D DESIGN	3.0	3.06
AP ART 3-D DESIGN	2.5	2.9

Number of high school seniors completing more years in content courses than required

4 Years Math – 212 (69%)

4 Years Science – 240 (78%)

3 Years World Language – 129 (42%)

4 Years World Language – 48 (15%)

Number of students participating in the performing arts

In school year 2008,
we have 342 students participating in
the performing arts.

Number of students participating in athletics

In school year 2007,
we had 660 students participating in
Athletics, holding 1100 roster spots.

- 1 Sport – 322 student athletes
- 2 Sport – 235 student athletes
- 3 Sport – 103 student athletes

Number of students participating in after school clubs

In school year 2008,
we have 1091 students participating in
after school clubs and activities.

(Actual numbers – 650/700 students)



Question and Answer