

## Web-Based Technology

### Providing Differentiated Instruction

*Math Teachers Press has integrated a new Moving with Math<sup>®</sup> Online Assessment Technology with the printed Moving with Math<sup>®</sup> curriculum for the ultimate blended learning experience.*

- Easy to use
- Provides instant planning reports
- Saves teacher time
- Provides accountability and measures growth



1

#### On-Line Tests

Easy-to-use, Web-based pre- and post-tests can be taken by students at any internet-connected computer.



2

#### Instant Reports

Teacher can instantly print state standard-correlated, time-saving reports to show class and student strengths and weaknesses to target instruction.



3

#### Accountability

After students finish post-tests, school and district administrators receive accountability reports by teacher and school. Results indicate future instructional needs.



## Web-Based Assessments and Reports

Students are motivated to take Moving with Math's® pre- and post-tests at any computer connected to the internet.

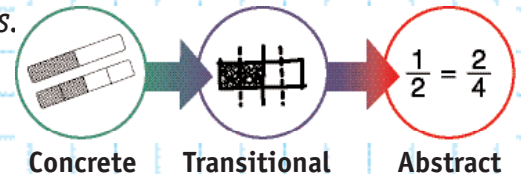


### Instant reports are available in three levels:

- 1. Teachers** can view instant reports to plan differentiated instruction for the whole class, small groups, or individual students.
- 2. School Administrators** can easily print monitoring and accountability reports by teacher and by grade.
- 3. District Administrators** can easily print monitoring and accountability reports — by school, teacher and grade.



Our web-based assessment technology is used with the Moving with Math® printed curriculum. Using differentiated instruction, teachers guide students through the three stages of learning, including activities for kinesthetic, auditory and visual learners.



Visit [www.movingwithmath.com](http://www.movingwithmath.com) for a complete list of publications.

# LEVEL 1: TEACHER REPORTS

## TEST RESULTS for Individual Students and the Entire Class

**MOVING with MATH** ASSESSMENTS

TEACHER: Name of Teacher [Edit Profile](#) [Log Off](#)  
 CLASS: Grade 4 (Book 4E) [Change Class](#)

**LIST OF CLASSES** **MANAGE STUDENTS** **MANAGE TESTS** **PLANNING REPORTS** **TEST RESULTS**

Student Progress Report: Student Name [Print](#)

Pre-Test: 62% (26 of 50 Correct)  
 Post-Test: 78% (29 of 50 Correct)  
 Benchmark Test: Incomplete

This report shows this student's Pre-Test, Post-Test, and Benchmark Test scores. It also shows test results organized by content strand, state standard, and objective.

Obj.	Maryland Standard	Pre-Test	Post-Test	Benchmark Test	Description
<b>Numeration</b>					
1	5.A.1.c	I	III		Identify the place value in a 3-digit number.
2	5.A.1.d	I	III		Compare and order numbers up to 6 digits.
3	1.A.1.a	III	III		Complete patterns of multiples of the numbers 1-6 or 10.
4	5.A.1.u	III	III		Write a 4-, 5- or 6-digit numeral from spelled words or sets.
5	5.A.1.x	III	III		Write the words for any numeral up to 6 digits in length.
6	5.A.1.l	III	III		Identify the place value in a 4-, 5-, or 6-digit number.
7	5.A.1	III	III		Round a 2-, 3- or 4-digit number to the nearest ten.
8	5.A.1	III	III		Round a 3- or 4-digit number to the nearest hundred.
9	5.B.1	I	III		Find a missing number.

### Student Progress Report

The diagnostic pre-test shows individual needs matched to objectives and state standards. Prescriptions for teaching each objective are found in the Teacher Manual. The post-test shows gains.

### Class Record Sheet

Questions are grouped by content strand, so teachers can easily see areas of difficulty.

**MOVING with MATH** ASSESSMENTS

TEACHER: Name of Teacher [Edit Profile](#) [Log Off](#)  
 CLASS: Grade 4 (Book 4E) [Change Class](#)

**LIST OF CLASSES** **MANAGE STUDENTS** **MANAGE TESTS** **PLANNING REPORTS** **TEST RESULTS**

**Class Record Sheet** [View/Print Full Version](#) [Print](#)

This report shows:

- Objectives that each student missed on the Pre-Test, Post-Test, and Benchmark Test
- X = Missed Objective
- Percent of students correctly answering each objective
- Mean percent correct for the class (bottom row on the right)

■ = Areas of Concern

Student Name		Numeration										Addition					Subtraction					Multiplication					Division					Record Number		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Pre	Post	Benchmark	
1. First Student	Pre -	X		X	X		X	X			X	X		X	X		X	X		X	X	X	X	X	X	X	X	X	X	23/50				
	Post -						X	X			X	X		X	X		X	X		X	X	X	X	X	X	X	X	X	32/50					
2. Second Student	Pre -	X					X	X			X	X		X	X		X	X		X	X	X	X	X	X	X	X	X	17/50					
	Post -						X	X			X	X		X	X		X	X		X	X	X	X	X	X	X	X	X	25/50					
3. Third Student	Pre -	X			X		X	X						X	X	X	X		X	X	X	X	X	X	X	X	X	X	27/50		U			
4. Fourth Student	Pre -	X			X		X	X			X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	15/50		0			
	Post -	X					X	X			X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	24/50		0			
5. Fifth Student	Pre -													X	X	X		X	X	X	X	X	X	X	X	X	X	X	0/50		U			
	Post -												X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	31/50		U			
7. Seventh Student	Pre -	X				X	X	X			X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	20/50		0			
8. Eighth Student	Pre -	X	X					X						X	X	X	X		X	X	X	X	X	X	X	X	X	X	26/50		0			
	Post -																		X	X			X	X		X	X		39/50		0			
9. Ninth Student	Pre -	X																											12/50		U			
10. Tenth Student	Pre -	X			X		X	X									X					X							13/50		U			
<b>TOTAL %</b>	Pre -	0	80	80	78	78	80	22	33	67	100	67	56	100	44	56	44	22	56	56	56	11	33	33	56	56	56	33	33	44	52%			
<b>TOTAL %</b>	Post -	80	100	100	100	100	80	20	20	100	100	60	60	80	80	20	60	40	80	60	80	80	40	40	40	60	40	20	20	60	62%			

The Class Record Sheet shows missed objectives marked with an "X."

- The percent correct for pre-test and post-test. Non-passing scores are in red.
- The mean percent for the class on pre-test and post-test.
- The percent of students answering each objective correctly.


Call Toll-Free (800) 852-2435 for more information.

# Level 1: Teacher Reports

## PLANNING REPORTS for Differentiated Instruction

“Formative assessment does improve learning and the achievement gains are among the largest ever reported for educational interventions.”

Wilson and Kenny, 2003



TEACHER: Name of Teacher [Edit Profile](#) [Log Off](#)

CLASS: Grade 4 (Book 4E) [Change Class](#)

LIST OF CLASSES
MANAGE STUDENTS
MANAGE TESTS
PLANNING REPORTS
TEST RESULTS

Generate Pacing Plan Print

■ = Less than 50% Correct

	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
<b>Warm-up</b>	Daily Review #1 (in back of student book)	Test Day	Daily Review #3 (in back of student book)	Daily Review #5 (in back of student book)	Daily Review #7 (in back of student book)
<b>Lesson</b>	<b>Objective:</b> Place value, expanded notation to 6-digits <b>Materials:</b> Base ten blocks, dice, place value mat, index cards, Master 3 <b>Teacher Guide pages:</b> 1-4	Administer the Pre-Test. Record results on the Class Record Sheet and student test packets.	<b>Objective:</b> Comparing and ordering numbers, patterns, writing numerals from printed words <b>Materials:</b> Base ten blocks, interlocking cubes, egg cartons, Masters 5, 6, 7 <b>Teacher Guide pages:</b> 5-8	<b>Objective:</b> Rounding, order property, grouping property, adding 3-digit numbers <b>Materials:</b> Base ten blocks, interlocking cubes, coins, dice, crayons, place value mat, Masters 7, 8, 15 <b>Teacher Guide pages:</b> 9-13	<b>Objective:</b> Addition to 5-digits <b>Materials:</b> Base ten blocks, interlocking cubes, playing cards, place value mats, local maps (optional), calculators (optional), Masters 3, 7 <b>Teacher Guide pages:</b> 14-16
<b>Student Practice</b>	Student book pages 1-4	Test Day	Student book pages 5-8	Student book pages 9-13	Student book pages 14-16
<b>Journal Prompt</b>	Teacher Guide page 2 (see Assessment section for instructions)	Test Day Optional prompt on Teacher Guide page 4	Teacher Guide page 7	Teacher Guide page 10	Teacher Guide page 14
<b>Games</b>	Hammer to 100 Place Value Bingo (on Teacher Guide pages 1, 4)	Test Day	How Many Ways? (on Teacher Guide page 6)	Rounding Relay 3 Dice Total (on Teacher Guide pages 9, 12)	Playing Cards Relay Sum of Sums (on Teacher Guide pages 14, 15)
<b>Test Prep</b>	Daily Review #2 (in back of student book)	Test Day	Daily Review #4 (in back of student book)	Daily Review #6 (in back of student book)	
<b>Weakest Objectives for the Lesson</b>	Obj 1 (0% Correct) Identify the place value in a 2-digit number.			Obj 7 (22% Correct) Round a 2-, 3- or 4-digit number to the nearest ten.  Obj 8 (33% Correct) Round a 3- or 4-digit number to the nearest hundred.	
<b>Recommended</b>	Skill Builders 1-1			Skill Builders 7-1	

**Customized Pacing Calendar** After students take the pre-test, teachers receive a customized pacing plan based on their class results. Red highlights alert teachers to every objective missed by more than half of the students. With this information, teachers can allocate more time to missed objectives with targeted, hands-on, in-depth instruction. A *Skill Builders* page may then be assigned for extra practice or homework.

Call Toll-Free (800) 852-2435 for more information.

# Level 1: Teacher Reports

## PLANNING REPORTS to Provide Flexible Grouping

TEACHER: Name of Teacher Edit Profile Log Off  
CLASS: Grade 4 (Book 4E) Change Class

LIST OF CLASSES MANAGE STUDENTS MANAGE TESTS **PLANNING REPORTS** TEST RESULTS

Students Grouped by Objective Print

This report lists all students who did not correctly answer each learning objective on the pre-test.

Objective Number	State Standard	Objective Description	Students Who Missed the Pre-Test Objective
1	6.A.1.c	Identify the place value in a 2-digit number.	Student One, Student Two, Student Three, Student Four, Student Five, Student Six, Student Seven, Student Eight, Student Nine
2	6.A.1.d	Compare and order numbers up to 6-digits.	Student Seven
3	1.A.1.a	Complete patterns of multiples of the numbers 1-6 or 10.	Student One
4	6.A.1.b	Write a 4-, 5- or 6-digit numeral from printed words or sets.	Student One, Student Nine
5	6.A.1.a	Write the words for any numeral up to 6-digits in length.	Student Three, Student Four
6	6.A.1.e	Identify the place value in a 4-, 5-, or 6-digit number.	Student Six

As soon as the students finish the test, teachers can immediately use the data to plan instruction.

“Teachers had their groups formed by the second day of class.”

District Math Administrator

**Learning Groups** This report relates each tested learning objective to its corresponding state and standard, and identifies students who missed that objective on the pre-test, enabling teachers to form learning groups of students who missed the same objective.

## Post-Test Reports to Evaluate Instruction & Measure Growth

TEACHER: Name of Teacher Edit Profile Log Off  
CLASS: Period 1 (Book 5B) Change Class

LIST OF CLASSES MANAGE STUDENTS MANAGE TESTS **PLANNING REPORTS** TEST RESULTS

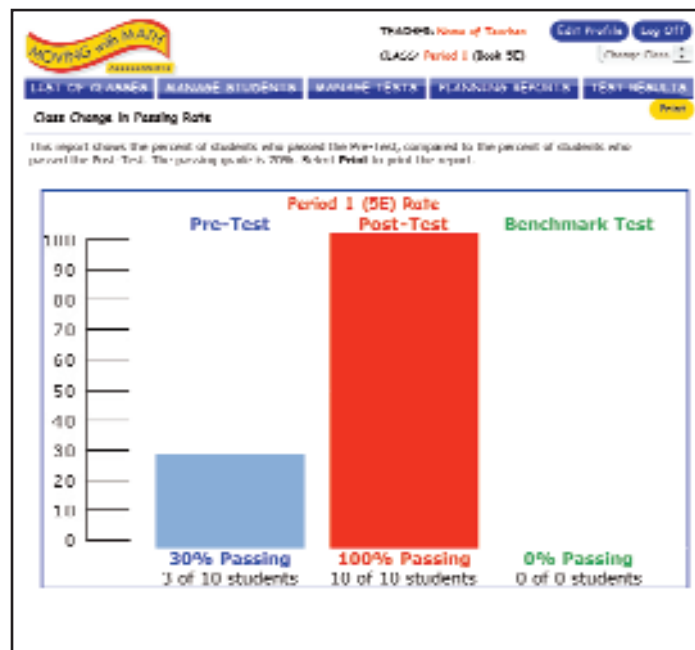
Test Scores Print All Students Print

This report shows the percent scored for each student on each test. The “% Increase” column shows the percent of increase from the Pre-Test to the Post-Test. Click on a student’s score for a detailed Student Progress Report.

Student	Pre-Test	Post-Test	Benchmark Test	Pre- to Post- % Increase
First Student	82%	96%	Not Started	17%
Second Student	84%	89%	Not Started	19%
Third Student	47%	87%	Not Started	85%
Fourth Student	64%	76%	Not Started	19%
Fifth Student	69%	91%	Not Started	32%
Sixth Student	64%	84%	Not Started	31%
Seventh Student	38%	80%	Not Started	111%
Eighth Student	73%	82%	Not Started	12%
Ninth Student	69%	96%	Not Started	39%
Tenth Student	71%	78%	Not Started	10%
Average	64%	86%	Not Started	40%

### Test Scores

This report shows the percent of increase from pre-test to post-test for each student. Another report shows detailed, individualized student progress.




### Change in Passing Rate

This report shows the increase in the percent of students passing from pre-test to post-test.

Visit [www.movingwithmath.com](http://www.movingwithmath.com) for a complete list of publications.

## LEVEL 2: SCHOOL ADMINISTRATOR REPORTS

### Management & Accountability Reports by Teacher



DISTRICT: Your District  
 SCHOOL ADMINISTRATOR: Name of Administrator

[Edit Profile](#) [Log Off](#)

ADMIN TOOLS
MANAGE TEACHERS
SCHOOL REPORTS
TEACHER REPORTS


Change in Mean Score Print

Teacher	Class Name	N	Pre-Test	N	Post-Test	N	Benchmark Test	% of Increase*
First Teacher	Period 1 - 5E	11	51	10	65	0		28
Second Teacher	Period 1 - 5E	11	36	10	52	0		67
Total		22	43	20	59	0		43

### Compare Results by Teachers and Classes

This report shows improvements in mean scores for each grade by teachers and classes. It also shows the percent of increase from pre- to post-test.

## Management & Accountability Reports by School



DISTRICT: Your District  
 SCHOOL ADMINISTRATOR: Name of Administrator

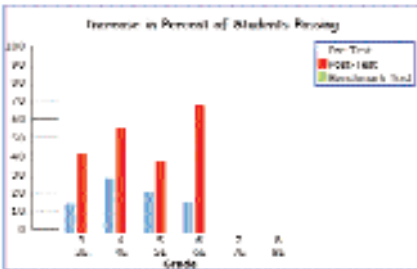
[Edit Profile](#) [Log Off](#)

ADMIN TOOLS
MANAGE TEACHERS
SCHOOL REPORTS
TEACHER REPORTS

Increase in Students Passing Print


**Increase in Percent of Students Passing: Pre-Test to Post-Test**

Grade	N	Pre-Test	N	Post-Test	N	Benchmark Test	% of Increase (Pre-Test to Post-Test)
2 (Book 2L)	19	15%	12	42%	0		57
4 (Book 3P)	14	7%	11	50%	0		61
6 (Book 6P)	5	20%	8	56%	0		60
7 (Book 7C)	13	17%	9	67%	0		200
7 (Book 7L)	2	0	0	0	0		
8 (Book 8P)	8	11	11	51	0		
Total	61	26%	43	65%	0		67



### Increase in Students Passing

This report shows the increase in the number of students passing from pre-test to the post-test.



DISTRICT: Your District  
 SCHOOL ADMINISTRATOR: Name of Administrator

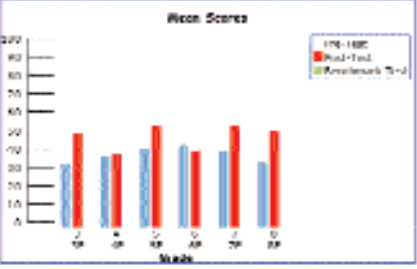
[Edit Profile](#) [Log Off](#)

ADMIN TOOLS
MANAGE TEACHERS
SCHOOL REPORTS
TEACHER REPORTS

Change in Mean Score Print

**Mean Scores: Pre-Test to Post-Test**

Grade	N	Pre-Test	N	Post-Test	N	Benchmark Test	Pre- to Post	% of Increase*
1 (Book 1P)	26	55	18	45	0			48
4 (Book 4C)	13	37	11	20	0			3
5 (Book 5L)	12	41	11	32	0			29
6 (Book 6P)	11	44	8	41	0			-5
7 (Book 7P)	11	48	10	45	0			17
8 (Book 8C)	15	24	3	20	0			47
TOTAL	88	24	58	47	0			44

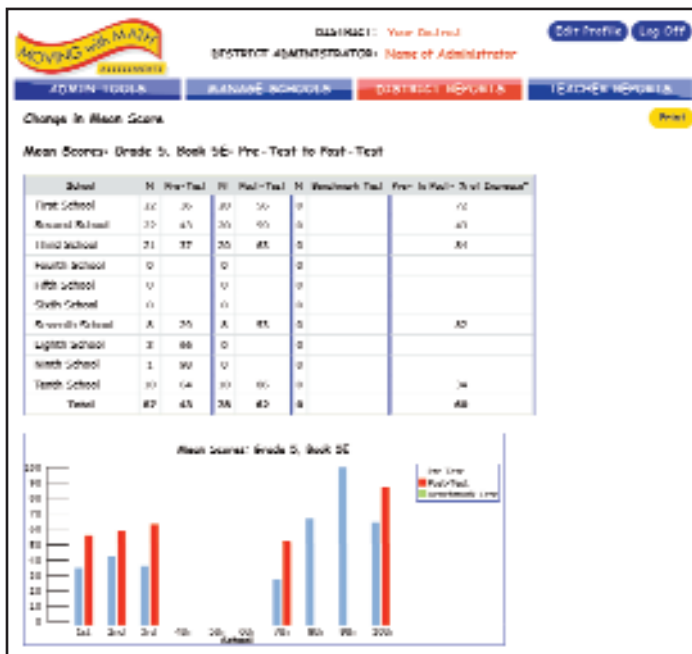


### Change in Mean Score

This report shows the improvement in mean scores by grade.

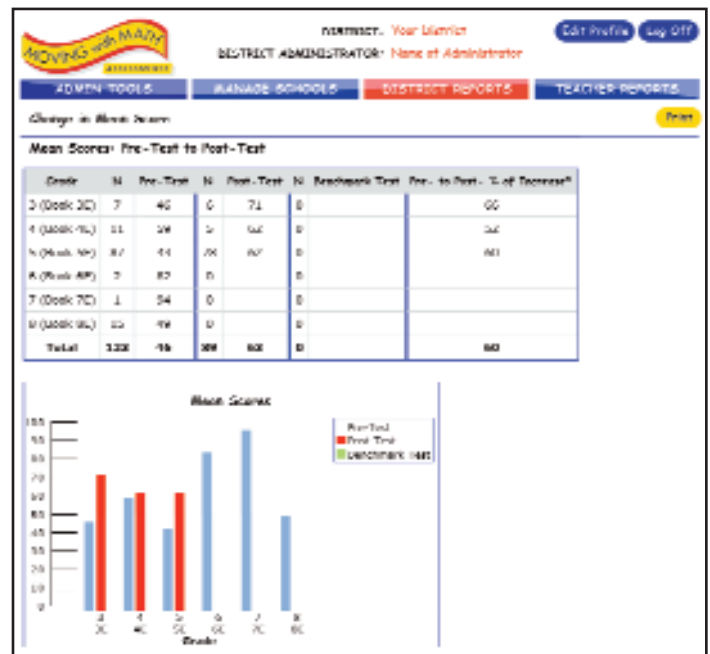
# Level 3: District Administrator Reports

## Management & Accountability Reports by School & District



### Change in Mean Score by School

This report shows the improvement in mean scores by school and the percent of increase from the pre-test to the post-test.



### Change in Mean Score by Grade

This report shows the improvement in mean scores for each grade and the percent of increase from the pre-test to the post-test.

## Curriculum Reports to Identify Future Needs

**Percent Correct by Objective: Grade 5 (Book 5E)**

Objective	Grade	Pre-Test	Post-Test	Benchmark Test	Description
1	5.A.1	77	85	80	Identify the place value in a 7- to 12-digit number.
2	5.A.4	70	72	70	Read, write and compare 9- to 12-digit numbers.
3	5.A.3	71	71	70	Round a 9- or 10-digit number to the nearest thousand.
4	5.B.1.C	55	60	60	Identify prime numbers and the factors of composite numbers up to 100.
5	5.B.1.C	60	62	60	Use the commutative, associative or the distributive property.
6	5.C.1	57	65	60	Add numbers up to 6-digits.
7	5.C.1	74	81	80	Add 1-digit numbers up to 8-digits.
8	5.D.1.a	70	73	70	Multiply a 2-digit number by a 2-digit number. Multiply by multiples of 10.
9	5.D.1.b	73	67	70	Divide a 4-digit by a 1-digit number.

### Percent Correct by Objective

This chart ranks the percent correct for the pre-test, post-test, and the benchmark test for each learning objective.

**Ranking Percent Correct by Objective: Grade 5**

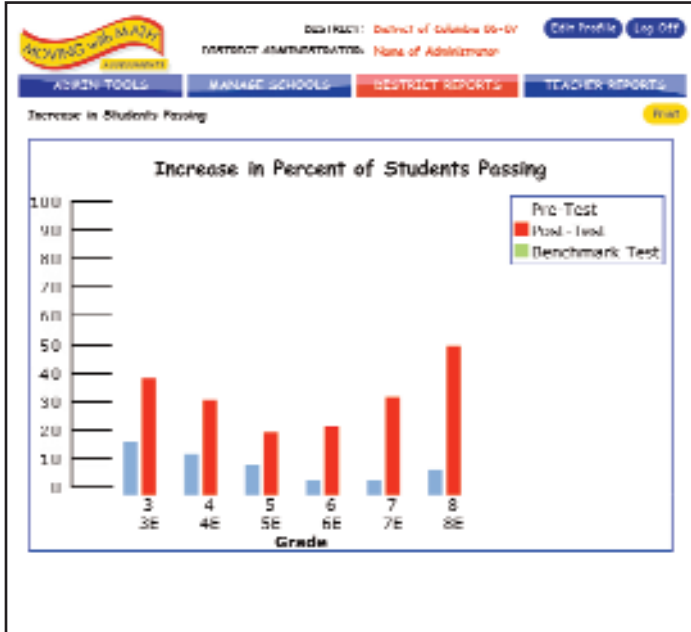
Most Percent Correct	Pre-Test Objectives	Post-Test Objectives	Benchmark Test Objectives
90-100%		5, 10, 10, 44	
80-90%	32	1, 4, 5, 24, 41	
70-80%	1, 21, 22, 21, 52, 54	4, 4, 2, 23, 22, 28, 43, 52	
60-70%	5, 6, 15, 26	11, 11, 11, 11, 11, 11, 11, 11, 11	
50-60%	7, 8, 11, 11, 42, 47	7, 8, 11, 11, 11, 11	
40-50%	1, 7, 11, 11, 11, 11, 11	10, 11, 11, 11, 11, 40	
30-40%	6, 14, 23, 25, 35, 37, 40	3, 13, 15, 15, 30, 45	
20-30%	7, 9, 10, 10, 10, 11, 16, 20	46	
10-20%	11, 14, 17, 18, 18, 21, 21		
0-10%			

### Ranking Percent Correct by Objective

This chart ranks the percent correct for each learning objective on the pre-test and the post-test. Objectives missed by more than half the students are highlighted in yellow.

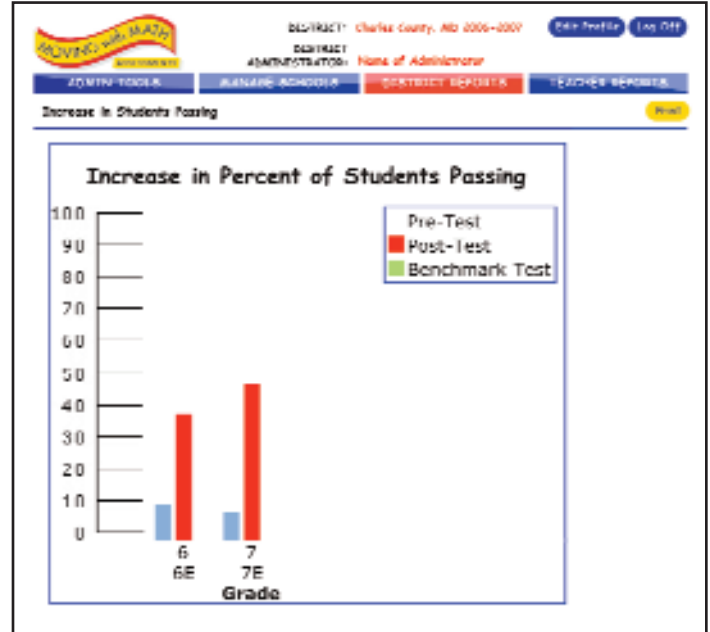
# Successful Summer School Results using Moving with Math® Assessment Technology

## District of Columbia 2006-2007



The passing rate more than doubled during summer school 2006. The percent of students passing in grades 3-8 increased from 12% to 31%.

## Charles County, Maryland 2006-2007



The percent of increase in students who passed ranged from 190% in grade 6 to 357% in grade 7. The results showed an overall increase of 257% in passing students.

**92% of respondents using the new assessment technology found the website easy to navigate and relate state standards to instruction. Teacher comments:**

### Student Progress Reports

- "Illustrates skills not matched by each student."
- "It allows me to see individual achievement."
- "A unique tool to measure each student's performance at the start and end of the program."

### Class Record Sheet

- "It shows the classes progress by comparing each student's pre- and post-test results."
- "It shows the percent of growth students make during the summer session."
- "It illustrates the weakest objectives for the class so I can place more emphasis on those objectives."

### Pacing Plan/Calendar

- "I can instantly use the data to target my instruction to meet student needs."
- "Helps with my daily planning."
- "It relieves monotony because the class practices the skills they need the most."

Call Toll-Free (800) 852-2435 for pricing information.