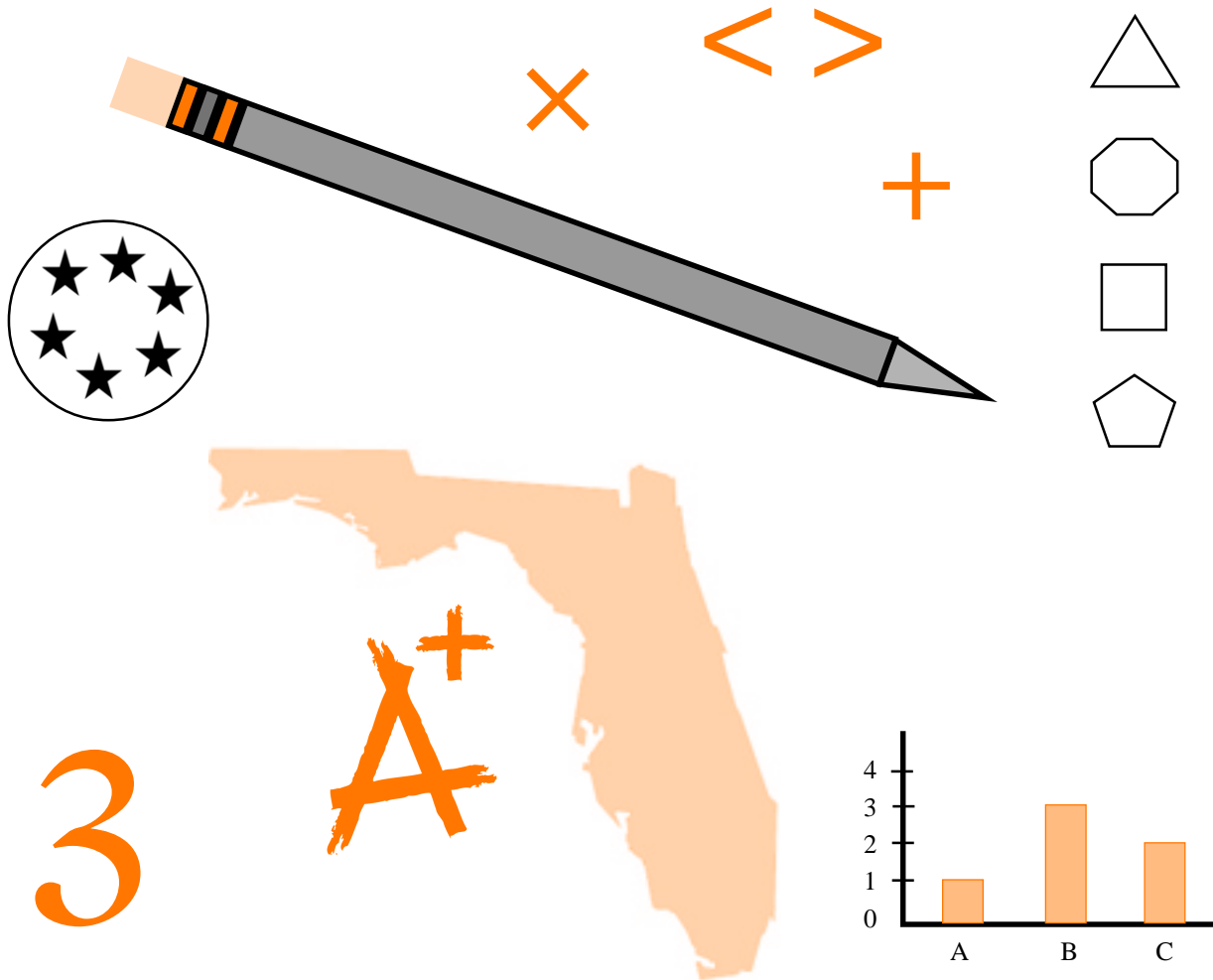


Student's Name _____

Successful Test Taking[®]

MATHEMATICS 3



LEADERSHIP RESOURCES[®]

2011 Edition

Successful Test Taking Mathematics 3

Dear Educator:

This sample represents only a portion of the **LEADERSHIP RESOURCES®** Successful Test Taking® Mathematics 3 preparation book (2011 Edition).

The actual book is 48 pages and has 100 multiple-choice items. Questions are aligned with all Next Generation Sunshine State Standards and Benchmarks. The questions are written to the 2009 Item Specifications. The book is printed on newsprint, is consumable, and is sold in a set of 25 books for \$60.00.

Also included in this sample are two pages of the teacher's guide. The teacher's guide identifies the specific benchmark each question assesses.

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Successful Test Taking[®]

Mathematics 3

Table of Contents

| | |
|--------------------------------|----|
| Preface | 3 |
| Test Taking Tips | 4 |
| Test Taking Strategies | 6 |
| 9 Mathematics Strategies | 7 |
| Mathematics - Day One | 8 |
| Mathematics - Day Two | 28 |

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2011 Edition

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Successful Test Taking[®]

Preface

This test taking book has been developed to help you take a mathematics test, as well as review strategies you already use in math.

A good test:

- A. confirms what you already know,
- B. helps you to see where you can use what you know,
- C. shows you new ideas while taking the test.

Please note that this book was made to help you learn how to prepare for and take tests. It is **not**, however, a complete model of the FCAT. This book was developed to provide you with typical items that might be tested.

Test taking is complicated. By studying tests and how they are written, you can become a better test taker. The reading and mathematics strategies you use in the classroom and in daily life can be used here as well.

As you use this book, try to do your best work. Doing your best work is a mirror of your ability and effort.

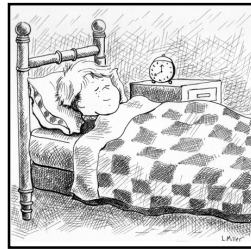
**Remember to
Use your Common Sense**

Test Taking Tips

Here are some helpful hints.

I. Before coming to school on test days:

- A. **Get some rest.** It's not very smart to try to do your best work when you are tired.



- B. **Eat something** in advance, such as cereal, toast, or fruit, and have some milk or fruit juice. You already know that a good breakfast will give you the energy you need to do well in school.



- C. **Come prepared.** You may be provided with a pencil that has an eraser, but bring one anyway. Also, bring a book or magazine to entertain yourself if you finish the test early.

- D. **Arrive on time.** Tests take energy. Don't spend all your energy rushing to get to school on time. Allow yourself plenty of time to get to school on test days.

II. When you get to school on test days:

- A. Find a comfortable place to work. This may mean not sitting next to your friends. Remember, your goal is to do your best on the test. Sit where you can concentrate and do well.
- B. Follow along when the teacher gives the test directions. Ask your teacher to explain the directions if you do not understand them.
- C. Some tests are confusing. You may know the answer, but you must correctly fill in the bubble to get credit for your answer.
- D. Unless your teacher tells you otherwise, **mark in the test book**. Most test books will not be used again, so mark away! Do any work you need to right on the test book pages.
- E. Don't waste all of your time on one item. It is OK to skip an item and return to it later. Make it easy to find the item you skipped by circling the number of the item in the test book.
- F. If you come across an item that just seems impossible, skip it and move on. But don't give up on the whole test altogether. Some test writers put in very hard items at first. Don't let them discourage you when they do this. Keep going!
- G. For multiple-choice items, mark the **best** answer. If you are not sure of an answer, guess wisely. But don't mark just any answer. You probably already know that at least one of the answer choices is incorrect. Mark out answer choices that are clearly incorrect even if you can't completely figure out the correct answer. This will make guessing wisely easier.
- H. Review your multiple-choice answers when you are finished to make sure you have selected the **best** answer.
- I. Do your own work. Copying another student's answers is not right.
- J. Most tests are too long, and you will get tired. Keep at it. It may help to stretch your back and arms or look at the ceiling or out a window from time to time.
- K. Remain calm. Tests are important, but they aren't the end of the world. Do the best you can.

Successful Test Taking Strategies for Answering Multiple-Choice Items in Mathematics

1. Read each item carefully. Try to get a “feel” for what the answer might be while you are reading the item.
2. Ask and answer, "What do I know?" "What am I being asked to do?"
3. Carefully make any calculations.
4. There will be four answer choices. Look at all the choices. Mark out all incorrect answer choices.
5. If you really don't know the answer, try using each answer choice that is given with the item. “Plugging-in” each given answer choice may help you find the best answer.
6. Then, mark the **best** answer right in this book by filling in the circle (bubble) to the left of the answer you chose. Completely fill in only one bubble. A correct answer is worth one point.

9 Strategies for Successful Test Taking in Mathematics

Good math test takers:

1. Read the item carefully.
2. Ask, "What does the item want me to do?"
 - add, subtract, multiply, divide, estimate, measure?"
3. Ask and answer, - "What do I know?"
 - "What am I being asked to do?"
 - "What procedures do I use?"
4. Solve multiple-choice items by marking out all incorrect answer choices and then selecting the **best** answer.
5. Review multiple-choice answers to be sure they have selected/calculated the best answer.
6. If stuck, circle the number of the item or the entire item to return to it later for additional work.
7. Take quick stretch breaks when needed, then ask, "What am I getting ready to do next?"
8. Don't give up. Sometimes the easiest items are at the end of the test.
9. Smile and pat themselves on the back for finding the best answers.



Day One

General Information for the Student:

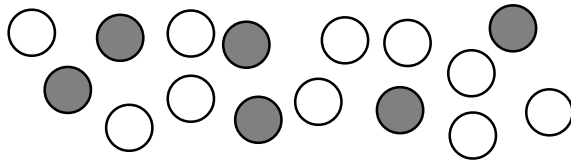
Here are some important things to remember as you use this book:

1. Choose the **best** answer by filling in the circle (bubble) to the left of the answer you chose.
2. Mark your answers right in this book.
3. If you do not know the answer to an item, go on to the next item. You can return to that item later.
4. **CONTINUE WORKING UNTIL YOU REACH A STOP SIGN. THEN STOP.**
5. If you finish the Day One session early, you may check your work **only** in this session. Do not look ahead to the next session.

- 6 Jody walked 2 miles each day for 9 days.
How many miles did Jody walk altogether over the 9 days?

- (F) 2
- (G) 9
- (H) 18
- (I) 29

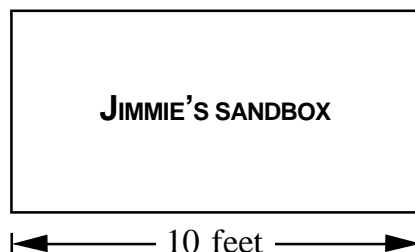
- 13 Sydney has 16 marbles. $\frac{6}{16}$ of the marbles are gray.



Which fraction is equal to $\frac{6}{16}$?

- (A) $\frac{3}{8}$
 - (B) $\frac{4}{8}$
 - (C) $\frac{2}{8}$
 - (D) $\frac{5}{8}$
- 17 The length of Jimmie's sandbox is 10 feet.
The perimeter of the sandbox is 30 feet. What is the width of the sandbox?

- (A) 5 feet
- (B) 10 feet
- (C) 15 feet
- (D) 20 feet



- 19** Shen bought 4 blue marbles on Monday.
Later in the day, Shen bought 7 red marbles.
He bought 5 green marbles on Tuesday.
The expression below represents the total number of marbles Shen bought.

$$(4 + 7) + 5$$

Which expression below also represents the total number of marbles Shen bought?

- (A) $4 + (7 + 5)$
(B) $(4 \times 7) + 5$
(C) $(4 + 7) \times 5$
(D) $4 \times (7 + 5)$
- 21** Which show the fractions in order from least to greatest?

(A) $\frac{4}{8}$ $\frac{5}{8}$ $\frac{6}{8}$ $\frac{7}{8}$

(B) $\frac{7}{8}$ $\frac{5}{8}$ $\frac{6}{8}$ $\frac{4}{8}$

(C) $\frac{7}{8}$ $\frac{6}{8}$ $\frac{5}{8}$ $\frac{4}{8}$

(D) $\frac{4}{8}$ $\frac{6}{8}$ $\frac{5}{8}$ $\frac{7}{8}$

- 24 Last Saturday morning, Reggie cleaned his bedroom.
The clock below shows the time Reggie finished cleaning his bedroom.



It took Reggie 15 minutes to clean his bedroom.
At what time did Reggie begin to clean his bedroom?

- (F) 10:00
- (G) 10:15
- (H) 10:30
- (I) 11:00

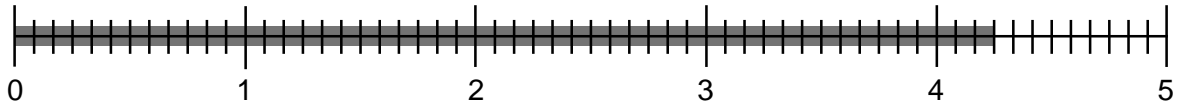
- 29 Julio plans to keep busy over summer vacation.
The table shows sports he can play, hobbies he can do, and clubs he can join.

| sports | hobbies | clubs |
|--------------|--------------|-------------|
| baseball (B) | chess (C) | music (M) |
| soccer (S) | painting (P) | reading (R) |

Julio will choose 1 sport, 1 hobby, and 1 club.
How many possible combinations of 1 sport, 1 hobby, and 1 club does Julio have to choose from?

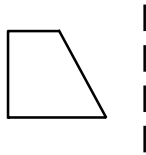
- (A) 4
- (B) 6
- (C) 8
- (D) 12

- 30 What mixed number below is represented by the part of the number line that is shaded?

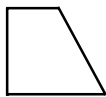


- (F) $4\frac{3}{12}$
- (G) $4\frac{1}{12}$
- (H) $4\frac{4}{12}$
- (I) $4\frac{2}{12}$

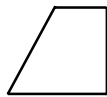
Use the drawing below to answer item 43.



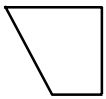
- 43 Which of these is a reflection (flip) of the figure over the dotted line?



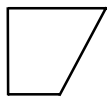
(A)



(C)



(B)



(D)

- 47 Malia is planning to make some bracelets. The table below shows the number of beads she will need to make different numbers of bracelets.

| Number of Bracelets | Number of Beads |
|---------------------|-----------------|
| 3 | 18 |
| 5 | 30 |
| 7 | ? |
| 9 | 54 |

According to the relationship shown in the table, how many beads will Malia need to make 7 bracelets?

- (A) 2
- (B) 6
- (C) 12
- (D) 42

- 70 The table shows the population of four cities on Florida's Gulf Coast.

| CITY | POPULATION |
|----------------|------------|
| Cape Coral | 156,835 |
| St. Petersburg | 245,314 |
| Sarasota | 52,340 |
| Tampa | 340,882 |

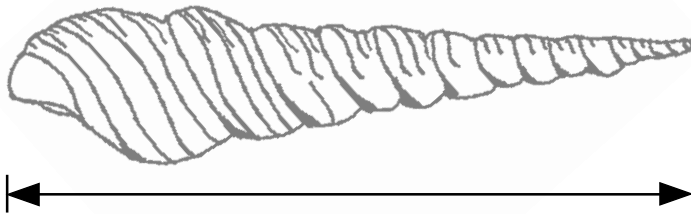
Which is the best estimate of the population of all four cities?

- (F) 600,000
- (G) 700,000
- (H) 800,000
- (I) 900,000

- 78** A total of 1,234 football fans began to watch a football game. It then started to rain. 657 fans went home. How many football fans stayed at the game?

- (F) 577
- (G) 623
- (H) 677
- (I) 687

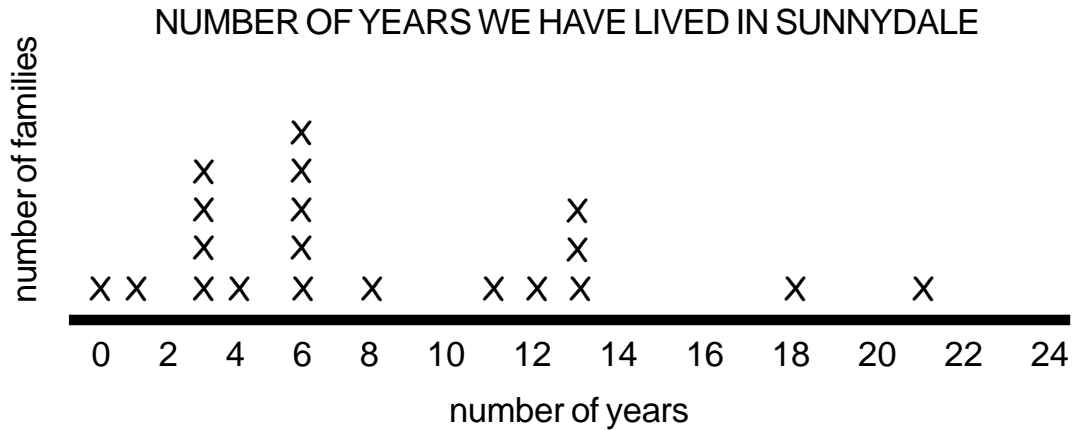
- 79** Naoko found this shell on a beach.



Using a ruler, what is the exact length, in inches, of the shell?

- (A) $2\frac{3}{4}$ inches
- (B) $3\frac{1}{2}$ inches
- (C) $4\frac{1}{4}$ inches
- (D) $4\frac{3}{4}$ inches

- 82 The students in Mrs. Smith’s class put together the line plot shown below after they gathered information about the number of years their families have lived in Sunnydale.



From the information in the line plot, which of the following is true?

- (F) Two families have lived in Sunnydale for 10 years.
- (G) The longest time a family has lived in Sunnydale is 18 years.
- (H) Four families have lived in Sunnydale six years.
- (I) 12 families have lived in Sunnydale less than eight years.

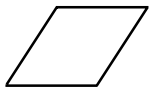
Use the information to answer items 85 and 86.

There are 42 students in a class. Their teacher puts them into teams of 6 students each.

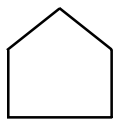
- 85 Which equation could be used to find the number of teams of students?

- (A) $42 \times 6 = \square$
- (B) $\square + 6 = 42$
- (C) $\square \times 6 = 42$
- (D) $42 + 6 = \square$

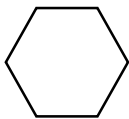
92 Which figure has only right angles and obtuse angles?



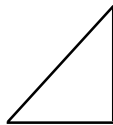
(F)



(H)

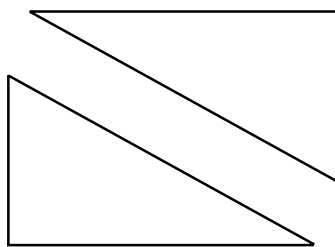
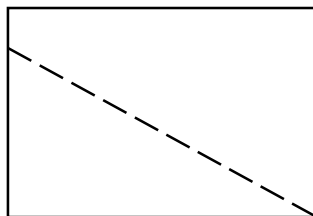


(G)



(I)

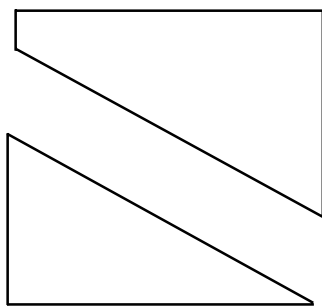
94 If you cut the rectangle along the dotted line, what two shapes would you have?



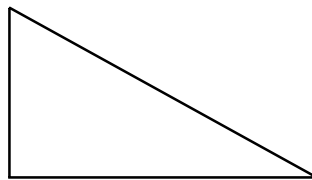
(F)



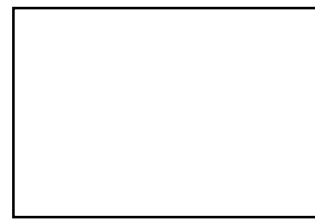
(H)



(G)



(I)



Answer Key & Teacher's Guide

Successful Test Taking® MATHEMATICS 3

2011 Edition

LEADERSHIP RESOURCES®


8398 Cypress Hollow Dr., Sarasota, FL 34238

800.257.7157 Fax 941.924.6829

Successful Test Taking®

This *Successful Test Taking*® Mathematics 3 book is specifically designed to assist teachers and students as they incorporate the information and skills contained in the Sunshine State Standards into their learning environment. Each item has been aligned with the benchmarks. There is at least one item in the book for each assessable benchmark. As such, the book is an **essential teaching resource** for educators interested in preparing their students for the Florida Comprehensive Assessment Test (FCAT). Students will see the book as a helpful **learning tool** to master important mathematics skills.

Using "Successful Test Taking®"

1. After each student receives a Successful Test Taking® Mathematics 3 book, let them know they can write and mark their answers in the book.
2. Use pages 3-5 to discuss preparation and aids to test taking.
3. On page 6, review with your students the strategies for answering multiple-choice items on the Florida Comprehensive Assessment Test.
4. This book is divided into two sessions: Day One and Day Two. You may wish to spend more time and/or days using this book.
5. Have students turn to the 9 Strategies for Successful Test Taking on page 7 and discuss it with them. Then review the General Information for the Student on page 8.
6. Next, have students begin the math items for Day One testing on page 9. Students will continue working until they reach page 27 (item 50).
7. Day Two testing (page 28) will be carried out in the same fashion as Day One, with students working on items 51-100.
8. **Remind students to continue working on the math problems until they reach a stop sign  in their book, at which point students stop.**
9. There are 100 items and 100 possible points in the Mathematics 3 book.



Successful Test Taking[®]
MATHEMATICS 3

Answer Key

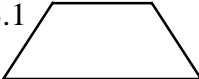
Multiple-Choice items are worth.....1 point each
The benchmark for each item is located above each correct answer.

Day One
Pages 8 - 27

1. A.6.1
A 47 hundreds + 5 tens + 3 ones

2. A.6.1
I 25,134


3. S.7.1
D 16

4. G.3.1
F 

5. A.1.1
D 63

6. A.1.1
H 18

7. A.6.2
B 5 years

8. G.3.3
G 

9. A.1.2
A $5 \times (2 + 3) = (5 + 2) \times (5 + 3)$

10. G.5.2
H 4 and $\frac{3}{4}$ inches

11. A.1.3
B $\square \times 8 = 72$

12. A.1.3
G 9

What Educators Say About Our Products

"Thank you, thank you for creating an affordable, low-tech, user-friendly set of practice books. We have used the Successful Test Taking series in our district for ... years now and have seen a significant improvement in our overall assessment scores. Not only does this product give excellent and timely practice in age-appropriate test skills, but their use has reduced test anxiety for students and staff."

Becky Stone, Home/School Liaison, Mason County Central Schools

"The information provided from the Successful Test Taking is given in a user-friendly format. It is the first instrument we have seen that breaks down the individual skills that are needed for students to be successful on the assessment. We are very pleased with the STT evaluation. It gives the students an opportunity to duplicate the testing strategies required to be successful on the state assessment."

Gwen Tabb, Director of Human Resources, Waverly Community Schools

"We were not satisfied with our scores in 4th grade. Although we could see the 'target', we needed help in practicing to hit it and assessing how accurate we were. The Successful Test Taking provided the answers we were looking for! Practice in hitting the target was given, an assessment of performance was made, and improvements were put in place that allowed us to hit the target more accurately than we ever have in the history of our school! As a staff, we thank LEADERSHIP RESOURCES for giving our students the opportunity to reach their potential and experience success!"

Jon D. Hoover, former Superintendent, Littlefield Public Schools

"We have been using the Successful Test Taking in our school district for ... years and have been very pleased with the results. Our scores have increased steadily during this time. We have really appreciated the personal service that we have received from LEADERSHIP RESOURCES."

Mary Ruddy, former Principal, Imlay City Community Schools

"We found your book, *Informational Text for Classroom Use*, very useful in teaching our students an array of test taking and informational reading strategies. The activities and readings in this book are closely aligned with our state assessment used by our district, and has also fit well with our state test. We saw a great increase in student achievement in the area of informational reading among our students from using this material."

Kristine Jackson & Roslyn Wikoff, Teachers, Weld County Schools

"We found your Successful Test Taking books to be helpful in preparing students for our state assessment. The books contain test taking strategies, sample items similar to the actual test items, and a review at the end. We believe these books were key in helping children become familiar with the format of the test, and preparing them for lifelong test taking. We would strongly recommend these books to other classroom teachers."

Jennifer Rios & Kelly Seilbach, Weld County Schools

"I ordered your Successful Test Taking for Reading and Math. My colleagues and I were very impressed. We intend to order them again next year. Since we paid for them ourselves, we appreciated the low cost. Your materials are an excellent value for the money!"

Teacher, Taylor Public Schools

"We have used your books - they are very helpful! With these books and a lot of work, our 4th Grade Reading and Math scores SOARED!"

Mary Alice Boone, Teacher, AuTrain-Onata Public Schools

"My school district orders your books for us to use to prepare for our state assessment and to improve strategies. They are user-friendly!"

4th Grade Teacher, Marquette Area Public Schools