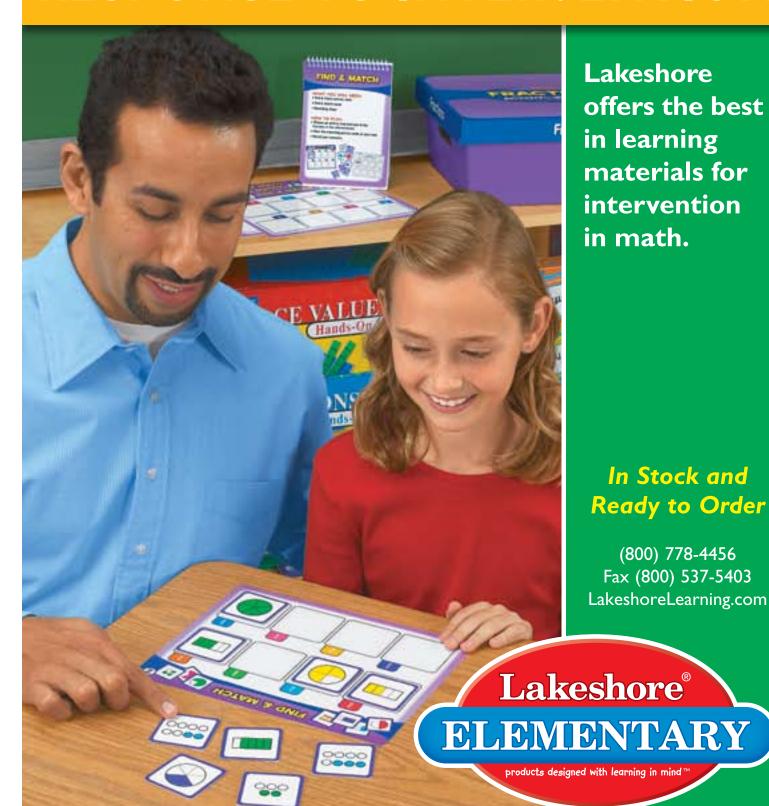
# RTI MATH

# **RESPONSE TO INTERVENTION**



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# Improve student achievement... integrate the principles of RTI



#### Dear Teachers and Administrators,

Lakeshore understands the importance of meeting the needs of all learners—and identifying struggling students who require targeted instruction and intensive, one-on-one intervention. That's why we offer a variety of resources that support a tiered approach to learning...and give teachers the tools they need for ongoing progress monitoring. On the following pages, you'll find RTI materials that:

- · allow for increasingly intense instruction based on individual student needs
- provide opportunities to frequently conduct quick, informal assessments
- help teachers document student progress and maintain permanent records to fulfill accountability requirements
- support scientific, research-based educational models
- emphasize the district-wide goals of local education agencies

Lakeshore has over 55 years of experience meeting the needs of educators. We've been providing targeted, supplemental materials to the nation's schools since 1954. To this day, we remain committed to the success of every student—and every school.

**Patti Rommel** 

Director of Research & Development Lakeshore Learning Materials



# with learning materials that easily into any math program.

500,000 + 30,000

You can find even more materials that correspond to all levels of RTI on our website.



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# **Elementary Math Instant Learning Centers**

Students build math skills in 8 key areas—with hands-on learning centers that get them actively involved in each lesson.

Ideal for everything from teacher-led intervention lessons to independent practice, our learning centers each include a double-sided chart with simple, illustrated instructions, plus 4 sets of hands-on materials—so up to 4 children can practice at once. Each center also includes an assessment card that helps monitor students' progress...and provides a permanent student record.

#### **Each Includes**

- 4 sets of hands-on materials
- Double-sided instruction chart
- Answer key
- Write & wipe assessment card
- Teacher's guide with differentiated instruction strategies



## Grade Level 1 2 3

מאאליםם	Complete Set	φ177.00			
DD572RM	Place Value	\$24.95	DD578RM	Standard Measurement	\$24.95
DD577RM	Fractions	\$24.95	DD575RM	Geometry	\$24.95
DD576RM	Data and Graphing	\$24.95	DD574RM	Time	\$24.95
DD573RM	Money	\$24.95	DD571RM	Addition and Subtraction	\$24.95

△ WARNING: CHOKING HAZARD — Small parts. Not for children under 3 yrs.





Tier 1) The teacher sets up the learning centers around the classroom to create multiple activity stations for the whole class to complete. As children work, the teacher identifies struggling students and the areas in which they need review or more intensive instruction.

Tier 2 Each center includes enough materials for an intervention group of up to 4 students. The teacher works with students to complete each activity, using the write & wipe assessment to record students' progress and pinpoint areas for additional instruction.

Tier 3 After identifying a skill area in which an individual student needs extra teaching and support, the teacher selects the corresponding activity center to complete with the student. As they work, the teacher provides step-by-step strategies for solving each problem. www.lakeshorelearning.com

## **Math Activity Stations**

Our activity-filled learning stations help students master place value, operations, fractions and more.

Each of our math stations features 4 different activities, all designed for up to 4 students at once. You get 4 sets of hands-on materials for each activity, plus a double-sided, tent-based flip book with simple, step-by-step instructions. We've also included a reproducible assessment to track students' progress, an answer key, plus a guide with reproducible worksheets. Each station comes in a handy storage box.

#### **Each Includes**

- 4 different activities
- 4 sets of hands-on materials for each activity
- Double-sided instruction chart
- Teacher's guide with reproducible worksheets and an informal assessment recording sheet
- Answer key



|--|

FF800XRM	1 Complete Set	\$279.00			
FF801RM	Operations	\$49.95	FF804RM	Geometry	\$49.95
FF802RM	Money	\$49.95	FF805RM	Fractions	\$49.95
FF803RM	Time & Measurement	\$49.95	FF806RM	Place Value	\$49.95

△ WARNING: CHOKING HAZARD — Small parts. Not for children under 3 yrs.



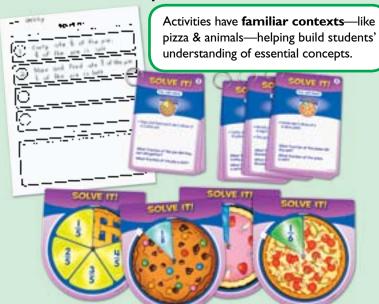
**Shown below: Fractions Activity Station** 

## **Key Features**

Each set has 4 different activities that target a specific math skill—so students get plenty of practical reinforcement.



#### **Activity 2: Solve It!**



#### **Activity 3: Fractions of a Set**



#### **Activity 4: Fraction Bars**



## **Response to Intervention (RTI) Application**

Tier 2 Each activity comes with enough materials for an intervention group of up to 4 students. The teacher demonstrates the activity using the materials, then asks students to complete the activity themselves. As students work, the teacher walks around the group to make observations, provide extra support and address any misconceptions.

Tier 3 The teacher uses the reproducible assessment sheet to identify problem areas in which students need extra practice. The teacher then works in depth with an individual student, providing instructions for completing each activity and asking guided questions as children work.

# Help-Yourself Multilevel Math Centers

Our centers give students the practice they need to grasp essential math skills—at just the right level.

Each center features a reproducible guide with 24 different activities, plus 6 pouches with all the hands-on manipulatives to complete each one. Best of all, the activities gradually progress in difficulty, so it's easy to meet the readiness of individual students...and help them progress at just the right pace. Plus, each center comes complete with a guide that includes informal assessment ideas.

#### **Each Includes**

 24 reproducible activities divided into 3 skill levels Money

Fractions

Geometry

Place Value

- 6 sets of hands-on manipulatives
- 11 ½" x 13 ¼" display center
- Teacher's guide with informal assessment ideas

Grade Level	2	3	4
			•

HH3/0XRM	Complete Set	\$179.00
HH373RM	Money	\$39.9
HH374RM	Time & Measurement	\$39.95
HH371RM	Fractions	\$39.9
HH372RM	Geometry	\$39.95
HH375RM	Place Value	\$39.95





Tier 2 Each center has enough materials for an intervention group of up to 6 students. The teacher selects a level-appropriate activity, using the manipulatives to demonstrate how to work out the problem. Then, the teacher selects a new activity, inviting students to use their own set of manipulatives to complete it on their own. As students work, the teacher provides additional instruction.

Tier 3 The activities come in 3 levels, allowing the teacher to provide one-on-one instruction at just the right level. The teacher and student work together to solve several problems, then the teacher administers an informal assessment by having students complete an activity they haven't yet tried. When the student successfully completes an activity, the teacher and student move on to the next level. www.lakeshorelearning.com

## **Read About Math Learning Centers**

Help students master essential math skills...with literature-based activity centers that provide a real-world context for learning.

Each of our math centers includes a paperback storybook that targets a specific math skill. We've also included 5 different activity cards with reproducibles right on back...plus all the manipulatives needed for up to 4 students to complete each activity. Children just read the book to gain a concrete sense of how a specific math skill can be used in everyday life...then complete the hands-on activities to extend and reinforce what they've learned.

#### **Each Includes**

- Math-themed storybook
- 5 activity cards with reproducibles on back
- Enough hands-on manipulatives for 4
- Answer card

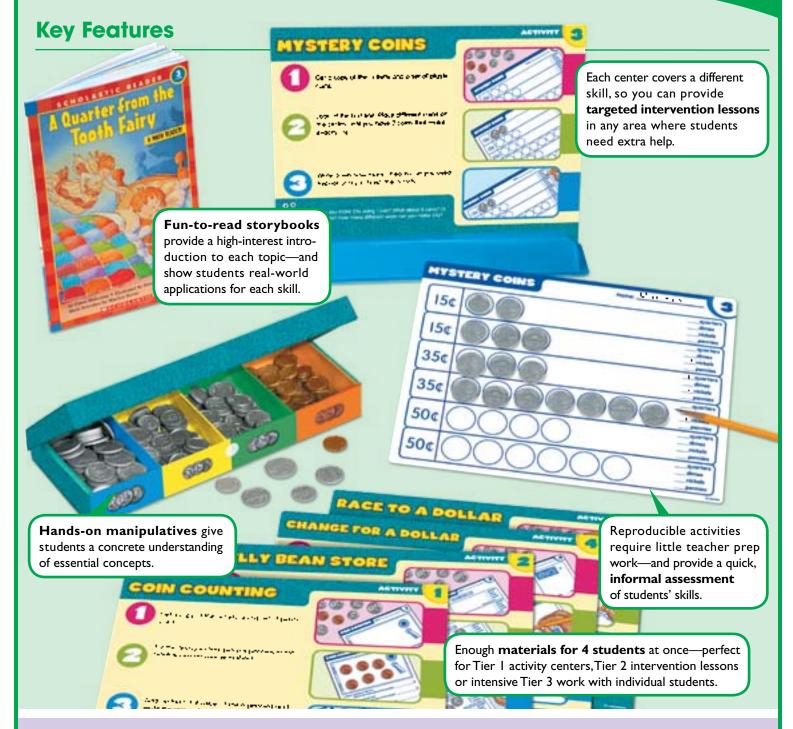
## Grade Level 1 2 3

LL631RM Measurement \$29.95 LL635RM Fractions LL632RM **Number Sense** \$29.95 LL636RM Time LL633RM \$29.95 LL637RM Money **Problem Solving** 

LC5326RM Storage Rack \$19.95 △ WARNING: CHOKING HAZARD — Small parts. Not for children under 3 yrs.







Tier I) The teacher sets up each center as a learning station for the class to explore in small groups. As students complete the activities, the teacher identifies which children need additional practice and which skills they need to focus on.

Tier 2 Each center has enough materials for an intervention group of up to 4 students. The teacher works together with students to read the story and complete one of the activities. Then, students complete a different activity to demonstrate competency.

Tier 3 Working one-on-one with a struggling student, the teacher reads the story, stopping to ask questions that ensure comprehension. The teacher then completes an activity with the student, using the manipulatives to demonstrate problem solving strategies.

## 10 Operations

## **Hands-On Regrouping Kits**

Students master addition and subtraction skills...with hands-on regrouping kits that make challenging math problems easy to solve.

Each kit includes a regrouping tray with 75 place value tiles representing ones, tens and hundreds. Plus, we've included 40 self-checking problem cards that feature 2- and 3-digit numbers—so you can choose a level that's right for your students. Just place a problem card onto the tray, help students count out place value tiles to visually represent each numeral in the equation...then regroup the tiles to work out the answer. Each kit comes complete with a write & wipe problem solving card to record students' answers, plus a teacher's guide with reproducible observation checklist.

## **Each Includes** • 85/8" x 141/4"

• 75 place value tiles

• 40 self-checking problem cards

 Write & wipe problem solving card

• Teacher's guide with reproducible observation checklist

#### Grade Level 1 2 3

FF297RM Addition Kit FF298RM Subtraction Kit

Not for children under 3 yrs.





# Operations 11

## **Key Features**

Compartmentalized tray and hands-on tiles give students a concrete way to visualize place value... and provide the conceptual basis to understand the process of regrouping.

277 + 216

Hundreds Tens One:

100 100

10 60 10 10

10 70 10

10 10 10

10 10 10

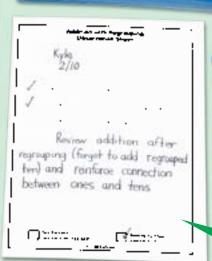
Cards include problems with 2-digit and 3-digit numbers—perfect for providing differentiated instruction.

424 + 98

Children move 10 tiles at a time to physically **regroup numbers**— and learn the connection between ones, tens and hundreds.



Write & wipe problem solving card can be used as an instant informal assessment.



Reproducible observation checklist can be used to identify students who need additional instruction...and provides a permanent student record.

## **Response to Intervention (RTI) Application**

Tier 2 The teacher uses the regrouping materials with a small intervention group. The teacher starts by using the problem cards that contain 2-digit numbers, demonstrating how to regroup 10 ones at a time using the tiles and tray. Once students demonstrate their understanding, the teacher then adds problems with 3-digit numbers, showing how to group 10 tens into the hundreds column.

Tier 3 The teacher can use the write & wipe problem solving card with each student in the Tier 2 group to identify students who need more intensive intervention. Working with each of those students on an individual basis, the teacher walks the student through each step of the process, asking questions like, "We now have more than ten tiles in the ones column. What do we do next?"

www.lakeshorelearning.com

## Fractions, Decimals & Percents

## **Building Math Skills Magnetic Boards**

Students learn to visualize parts of a whole...and explore equivalency concepts in a concrete, hands-on way.

Our activity boards each come with over 100 color-coded magnetic pieces—all clearly labeled with a fraction, decimal or percent. Students can combine the pieces to create a whole...mix and match pieces to compare equivalent values... compare fractions, decimals & percents in bar and circle form...and more. Each set includes a guide with lesson ideas and differentiated instruction strategies.

### **Each Includes**

- 12" x 12" magnetic board
- Over 100 color-coded magnets

Fractions

Decimals

Teacher's guide

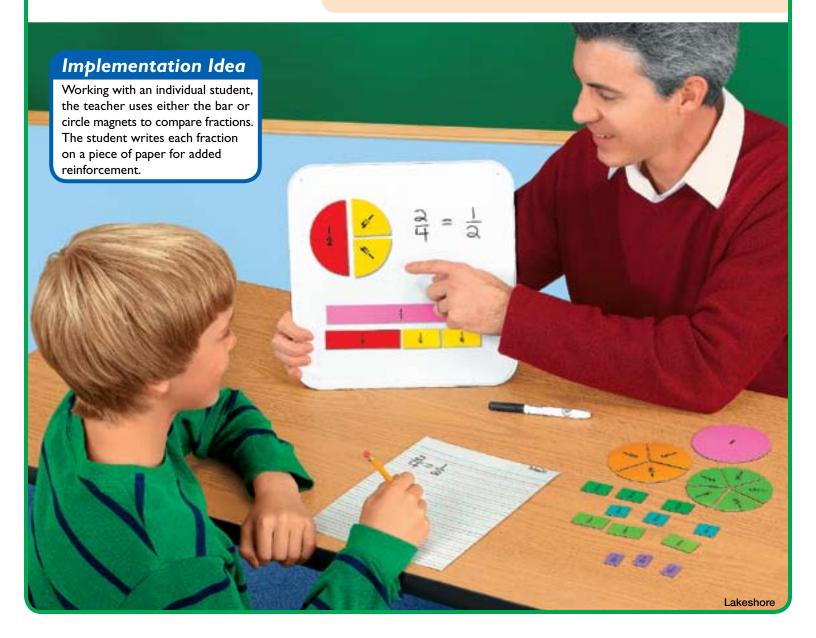
Grade Level 4

RR345RM Percents

RR379RM

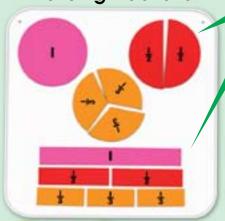
RR346RM





## **Key Features**

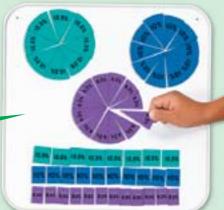
#### **Building Fractions**



Bar & circle magnets give students two highly visual, concrete ways to conceptualize fractions, decimals and percents.

> Magnetic boards make the activities portable, so they can be completed anywhere.

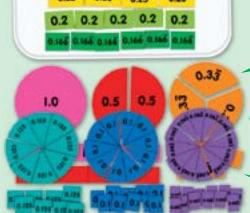
### **Building Percents**



## **Building Decimals**



Pieces have the same color-coding from set to set, so students can combine them to see how fractions, decimals and percents are interrelated.



Pieces within each set are perfectly related in size, so students can easily compare equivalent values.



Activity guides include ideas for comparing, converting & performing simple operations with fractions, decimals and percents.

## Response to Intervention (RTI) Application

Tier 2 Each set includes a guide with detailed lesson ideas for conducting small-group interventions, from how to introduce numerators and denominators to how to convert decimals to percents. The teacher uses the magnets to demonstrate concepts and create simple problems for students to solve, addressing misunderstandings and reinforcing necessary skills.

Tier 3 After the teacher identifies the areas in which a single student is struggling, the included activity guide can also be used as the basis for targeted Tier 3 intervention lessons. The teacher conducts each lesson using both the bar and circle magnets, giving the student two opportunities to grasp the same concept.

## Hands-On Measurement Centers

Involving, hands-on activities help students gain a concrete understanding of measurement concepts.

Each of our ready-to-use centers has 10 different activity cards that are both write & wipe and reproducible...plus all the hands-on tools to complete each activity—from comparing weights with balance and platform scales to measuring volume with I" cubes. You also get a freestanding conversion chart that provides a convenient visual reference as students work, plus a teacher's guide that comes complete with a 2-page student assessment.



#### What's Included

#### Grade Level 1 2 3

DD555XRM Complete Set

△ WARNING: CHOKING HAZARD — Small parts. Not for children under 3 yrs.

DD557RM Length, Perimeter, Area & Volume

- 10 write & wipe activity cards
- Conversion chart (customary & metric)
- 2-page assessment
- 2 rulers
- 2 measuring tapes
- 50 foam measuring tiles
- 50 foam measuring cubes
- 3 volume boxes
- Teacher's guide with differentiated instruction strategies



\$129.00

#### DD559RM Weight

- 10 write & wipe activity cards
- Conversion chart (customary & metric)
- 2-page assessment
- · Balance scale
- Platform scale
- 30-piece gram weight set
- Teacher's guide with differentiated instruction strategies



#### DD558RM Capacity

- 10 write & wipe activity cards
- Conversion chart (customary & metric)
- 2-page assessment
- Metric & customary measurement tools: Measuring cup (I liter/4 cups)
   Graduated cylinder (I0 mL)
   Funnel
- 4 see-inside measuring cartons
  Gallon container
- Teacher's guide with differentiated instruction strategies





Tier 2 The teacher uses the included assessment to identify a group of students who are struggling with a specific topic. The teacher then chooses a new activity within the topic area, modeling multiple ways to solve the problem—including using the conversion chart and the hands-on measurement tools. Students then try solving a new activity on their own, choosing their own method of problem solving.

Tier 3 After identifying a student in need of one-on-one instruction, the teacher chooses an activity and walks the student through each step of the problem solving process, including helping the student select the appropriate measurement tools. After the teacher and student have completed several activities together, the teacher uses the included assessment to continue monitoring students' progress.

www.lakeshorelearning.com

## 13 Problem Solving

# Spin & Solve Math Games

High-interest games provide accessible problem solving practice...as students explore operations, geometry, algebraic thinking & more.

Our leveled games each include a freestanding display board, plus 40 different activity cards in 4 skill-building categories. Simply spin the built-in spinner to select a category...draw an activity card and display it on the board...then work together with students to solve the problem! Game cards come in a tabbed storage box for easy organization, complete with answer keys.

#### **Each Includes**

- 11" x 12" freestanding display board
- 40 activity cards in 4 different categories
- Tabbed storage box
- Answer key
- Teacher's guide with reproducible worksheet

Grade Level 1 2 FF876RM \$34.95 Grade Level 3 4

FF877RM \$34.95

SPIN & SOLVE
MATH GAME
GRADES 1-2

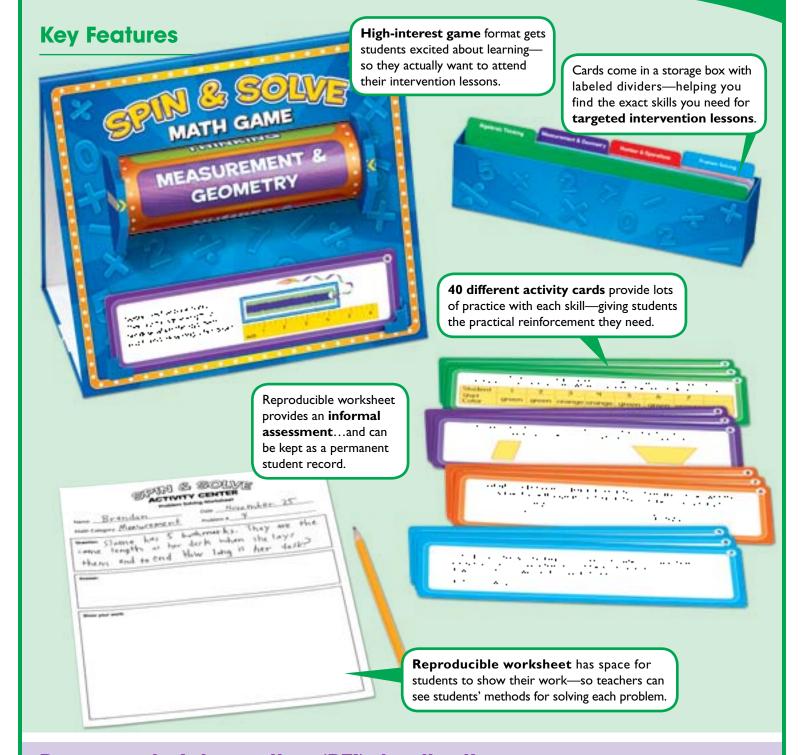
SPIN & SOLVE
MATH GAME
GRADES 3-4

SPIN & SOLVE
MATH GAME
GRADES 5-6

Grade Level 5 6

FF879RM \$34.95

Implementation Idea To help an individual student who is struggling with a specific concept, underline key words in each problem as the student works.



Tier 2 Working with a small group of students, the teacher selects a topic area in which students need extra practice and displays a corresponding problem card. The teacher encourages students to create their own methods for solving the problem, then invites them to share their responses. The teacher highlights the different problem solving strategies used and corrects students' thinking as they go.

Tier 3 The teacher works with an individual student to provide extra practice in a specific skill area. As the teacher and student work together to solve each problem, the teacher helps the child develop a method for solving the problem by asking, "What information in the problem is key to solving it?"

# Problem Solving Journals

Our skill-building journals give students their own space to solve math problems and explain their mathematical thinking.

Each 8½" x 10" journal contains 50 illustrated word problems. Each page of the journal has room for students to work out the problem, plus space to explain how they reached the answer—so teachers can easily identify struggling students. We've also included helpful problem solving strategies in front of each journal to guide students along as they work out each problem, along with a removable answer key & a guide with differentiated instruction strategies.

### **Each Includes**

- 50 illustrated word problems
- Reference pages with problem solving strategies
- Removable answer key
- Teacher's guide with differentiated instruction strategies



#### Grade Level 1

LL114RM Each \$3.49 LL115RM Set of 10 \$32.95

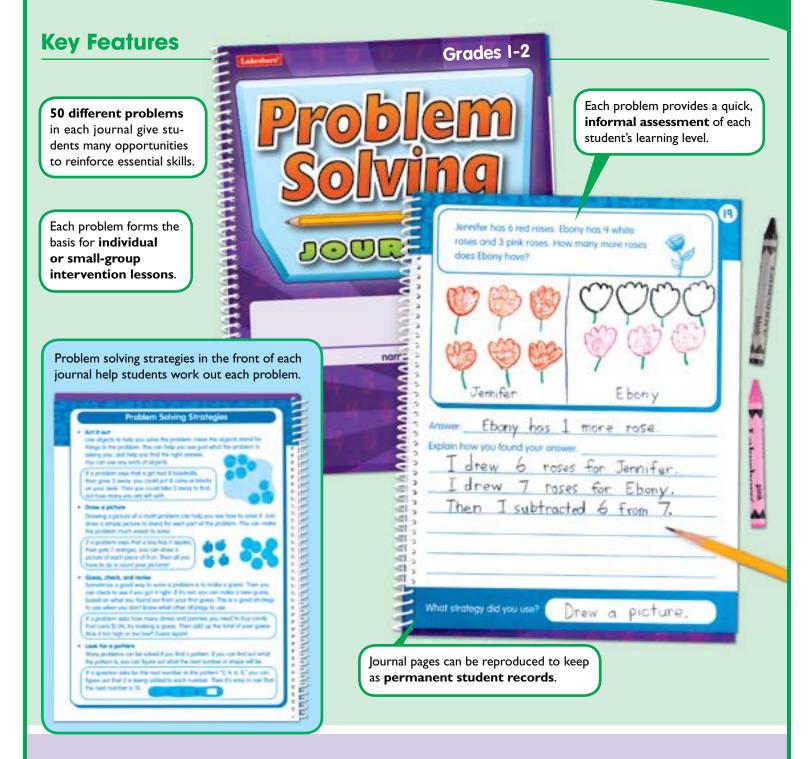
#### Grade Level 3 4

LLI24RM Each \$3.49 LLI25RM Set of 10 \$32.95

#### Grade Level 5 6

LLI34RM Each \$3.49 LLI35RM Set of 10 \$32.95





Tier 2 The teacher selects a problem in the journal based on the skill students need to review in a small-group intervention lesson. After demonstrating how to use different strategies to solve the problem, the teacher photocopies a new problem and asks students to solve it. By reading students' explanations of how they solved the problem, the teacher identifies students who need additional instruction.

Tier 3 The journal pages can also be used for an intensive, one-on-one intervention lesson. The teacher models how to solve a problem using a variety of strategies, such as drawing pictures or using manipulatives. The teacher then asks the student to solve a different problem using the modeled strategy. The teacher makes a photocopy of the student's completed work to keep as a permanent student record.

www.lakeshorelearning.com

## What can Lakeshore do for you? You name it!

#### ✓ Exclusive Materials

We offer hundreds of exclusive products you won't find anywhere else. Created by our own on-site educators and product developers, Lakeshore materials are all classroom-tested and designed to meet the specific needs of teachers and children.

#### **✓ Value Pricing**

We're committed to bringing you targeted, standards-based learning materials at the most affordable prices possible... without compromising our high standards of quality.

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Pick any product—we guarantee it will be in stock for immediate delivery 99% of the time...and that your order will be on its way to you within two business days from the time we receive it.

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We unconditionally guarantee every item we offer. If you are unhappy with any item for any reason, return it to us for a full refund or exchange. Your satisfaction is our number one priority.

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Need something special? Whether you want to customize products for a specific program or create specialized materials that support your entire curriculum, Lakeshore can supply exactly what you need!

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We work hard to keep you happy by handling situations <u>before</u> they become problems. If anything we ship is damaged, lost, or left out of your order, we'll replace it immediately. To speak with one of our on-site customer service representatives, call us toll free at (800) 428-4414.

#### √ Free Online Resources

In addition to fast and convenient ordering, our comprehensive website features free classroom planners and product correlations, free classroom materials for teachers...and our easy-to-use Classroom Designer!

#### **✓ Personal Assistance**

No matter where you are, there's a Lakeshore regional manager nearby to take care of your needs. For personalized service that simply can't be matched, contact us toll free at (800) 421-5354 or send an e-mail to us at sales@lakeshorelearning.com.



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ELEMIENTARY

products designed with learning in mind™