



 SCHOLASTIC

Now for
Grades
K-5!

Leveled MATH Readers

Reinforce critical math concepts
while building literacy skills.



scholastic.com/leveledmathreaders

Leveled MATH Readers

Leveled Math Readers are designed to help children experience **engaging stories and nonfiction** that spark their imaginations. Students build **essential vocabulary** and concepts that relate to problem solving and mathematical thinking, while engaging in discussion to enhance comprehension as well as **speaking and listening skills**.

Each book offers opportunities to reinforce literacy skills, as well as address **fundamental math concepts**, harmonizing every day math with comprehensive literacy instruction.

▼ Measurement and Data Analysis



▼ Geometry and Shapes



▼ Algebraic Thinking and Multiplication Foundation



▲ Time

▼ Numbers and Operations



▼ Fractions



4 reasons why every classroom needs **Leveled Math Readers**

Math is everywhere! Students need opportunities to read, discuss, and apply mathematical language and concepts in multiple contexts and formats.

1 As a **supplemental curriculum tool**, Leveled Math Readers fit perfectly with core curriculum and diversify your classroom library with texts focused on mathematics.

2 Every title comes in both **print and digital formats** – allowing for greater accessibility and high levels of engagement for all students.

3 Leveled Math Readers are aligned to the **Common Core State Standards** and meet requirements for BOTH English Language Arts and Mathematics!

4 Leveled Math Readers facilitate **whole class, small-group, and one-to-one instructional models**, enabling teachers to meet the unique needs of their classroom.



What the Research Says

Literacy and mathematics instruction create a solid foundation upon which students launch a successful education. During the early grades, students use language to explore mathematical relationships in the world. Increasingly, students use technological tools to learn and apply these concepts, which creates greater opportunity to share and acquire knowledge.

In order to succeed in school and in life, students need to:

- build a strong foundation of literacy skills
- develop fundamental mathematical thinking skills
- use a variety of media and formats to understand information

Research says...

"Whether the domain is English language arts, mathematics, sciences, social studies, history, art, or music, 21st-century competencies and such expertise as critical thinking, complex problem solving, collaboration, and multimedia communication should be woven into all content areas. These competencies are necessary to become expert learners, which we all must be if we are to adapt to our rapidly changing world over the course of our lives."

– NATIONAL EDUCATION TECHNOLOGY PLAN 2010

Research says...

"[H]igh-quality, challenging, and accessible mathematics education [...] is a vital foundation for future mathematics learning... Also important is weaving mathematics into children's experiences with literature, language, science, social studies, art, movement, music, and all parts of the classroom environment."

– NAEYC & NCTM 2002

Research says...

"Twenty-first century readers and writers need to develop proficiency with the tools of technology [and] create, critique, analyze, and evaluate multi-media texts."

– NCTE 2008

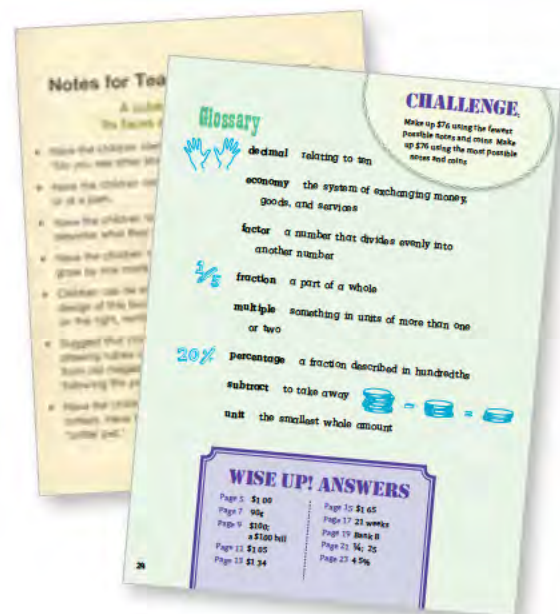


Leveled Math Readers and the Common Core State Standards

Informed by the latest research in literacy and mathematics education, **Leveled Math Readers** help students and teachers meet the expectations of the Common Core State Standards for English Language Arts for Reading in Literature, Informational Text, and Foundational Skills. Leveled Math Readers also support the Common Core State Standards for Mathematics, as the program works to provide students with the foundational skills necessary to apply more challenging math concepts and procedures.

Leveled Math Readers connections to the Common Core State Standards include:

- A grade-specific **Teacher's Guide** with lesson planning materials includes lists of challenging content words and key mathematical concepts for each lesson to scaffold vocabulary acquisition and comprehension.

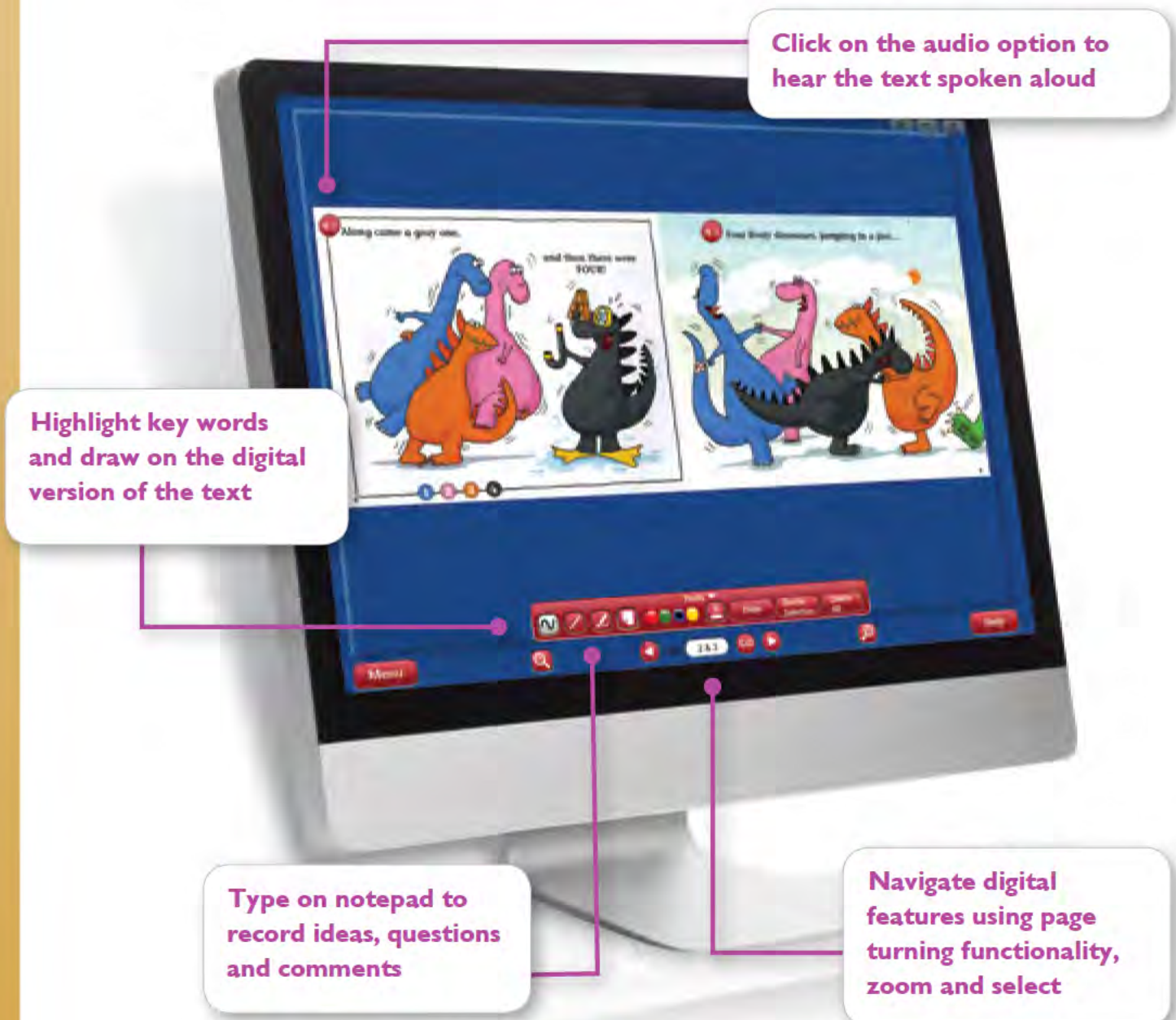


- Three phases of instruction, **Read and Talk Math**, **Read and Do Math**, and **Practice Math**, help students grow math knowledge while simultaneously building reading comprehension skills.
- A **range of reading levels** in each grade-level set ensures students engage with increasingly complex text.
- **Notes for Teachers and Families**, **Glossaries**, and **Activities** located in the back of each book link directly to standards.

Interactive eBooks

An **interactive eBook** is available for **every title** and can be used on an interactive whiteboard or personal computer.

This allows students to interact with the program's texts using multiple media and formats. This enables greater accessibility for struggling and accelerated readers alike, as well as English Language Learners.



Leveled Math Readers facilitate whole class, small-group, and independent reading instructional models. Students interact with the eBooks individually or with a partner. Interactive lesson tools motivate students to read and provide embedded scaffolds to boost comprehension. For the teacher, copies of lesson planning materials and reproducible activity pages from the Teacher's Guide are located on each CD-ROM.



Audio supports for independent reading help all students including ELL and struggling readers engage with the text

Engage students in whole class or small-group instruction using Leveled Math Readers interactive whiteboard teacher resources



Instructional Resources

Every Leveled Math Readers program comes with a grade-specific comprehensive Teacher's Guide.

The Teacher's Guide includes:

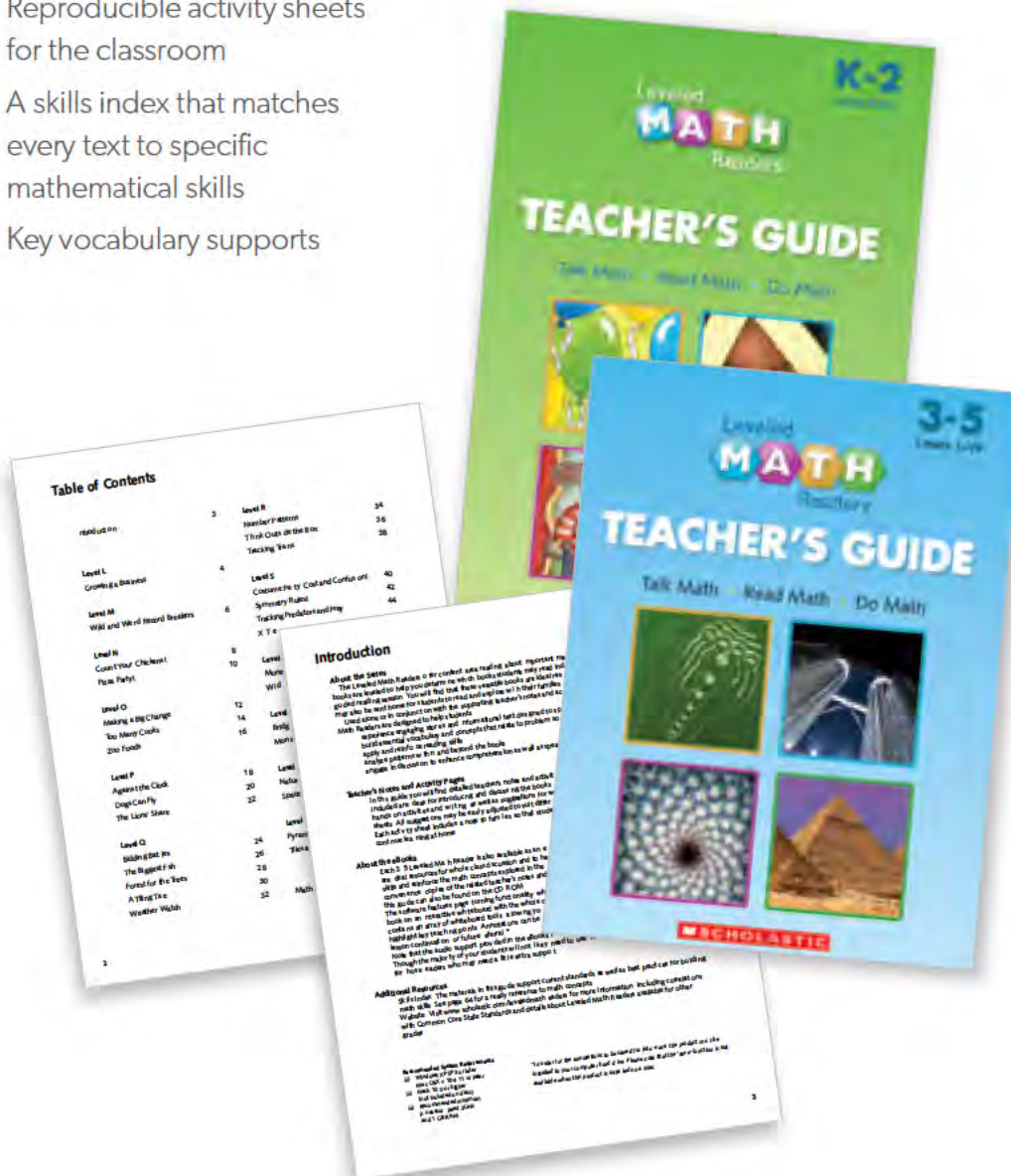
- Discussion prompts and ideas for classroom activities
- Reproducible activity sheets for the classroom
- A skills index that matches every text to specific mathematical skills
- Key vocabulary supports

Math skills and concepts addressed

Key vocabulary words

Guided Reading Level

Critical thinking and discussion prompts



Each book is supported with a **lesson card** and **activity page** found in the Teacher's Guide and on the CD-ROM. Use these resources to help with lesson planning, classroom activities, and assessments.

Before, during and after reading activities

Symmetry Rules!

Geometry

- Identify lines of symmetry in two-dimensional figures
- Identify lines of symmetry in real life
- Recognize rotational and reflection symmetry
- Classify polygons based on their properties

Key Vocabulary

- rotational, reflection, regular polygon, irregular polygon

Level 5

Read and Talk Math

- Display the cover, read the title, then preview the book by looking through the illustrations. Ask: *What do you notice about many of the illustrations? What do you think a line of symmetry does?* Students should infer that a line of symmetry divides an image into two mirror images of each other.
- After students have read the story independently, turn to page 9 and review the different kinds of symmetry discussed so far. Ask: *What makes a shape symmetrical? What are the two different lines of symmetry?*
- Call attention to the chart on page 12. After discussing what the chart shows, ask children to predict how many lines of symmetry a regular polygon with 24 sides would have. Then ask students why they think the author named this chapter and the title of the book "Symmetry Rules!"
- Ask students to determine which of the three images on page 14 completes the picture of the insect.
- Discuss rotational symmetry, which is discussed on page 18. Ask students to hold up a rectangular book and rotate it to demonstrate that it has rotational symmetry in two positions.
- Look at pages 22 and 23. Ask students to summarize what they have learned by naming things that are symmetrical. List their suggestions on a chart titled "Symmetry Rules!" Challenge students to define the word *symmetry*.



Read and Do Math

- Have pairs of students revisit the book, this time completing and discussing the answers to each Wise Up! activity.
- Give students materials to complete "Make a Symmetrical Pattern" on page 10 and have them compare the shapes they made. Then, have students use tracing paper to trace and complete the drawings on page 15.
- Have partners complete the Challenge activity on page 24 and then share the messages that they made using only letters with symmetry. Once students have completed the activity, have them write the lowercase alphabet and determine which of those letters have symmetry.
- Have students explore symmetry by cutting and folding paper shapes to determine whether there is or is not symmetry.
- Brainstorm a list of classroom objects that have symmetry. Have students identify each object's kind of symmetry using the terms *horizontal* or *vertical*, and *reflection* or *rotational*.

Practice Math










- Give students a copy of the reproducible page, Find It! Draw It!, and three sheets of graph paper. Ask students to use a ruler to draw the line(s) of symmetry for each picture.

Symmetry Rules!

Name _____ Date _____

Find It! Draw It!

Draw the lines of symmetry for each shape. Then write how many lines there are.

		
_____	_____	_____
		
_____	_____	_____
		
_____	_____	_____

Complete the following on three separate sheets of graph paper:

- 1 Draw an insect that has only a vertical line of symmetry.
- 2 Draw an object that has only a horizontal line of symmetry.
- 3 Draw a picture that has total symmetry.

Dear Family

Your child has been learning about symmetry in shapes, in nature, and all around. Work with your child to find things that are symmetrical. Draw these lines, and add the lines of symmetry.

42

Symmetry Rules, Grade 3

Reproducible extension activities

Program Sets

Grade K: Levels A-D

25 Titles; 150 Books Total

Teacher's Guide K-2

Titles Include:

Full or Empty, Heavy or Light, My New Piggy Bank, Seven, The Biggest Shoe, and many more!



Grade 1: Levels A-1

45 Titles; 270 Books Total

Teacher's Guide K-2

Titles Include: Cylinder, Ants-A-Plenty, Spot the Rectangle, Cone, Which One Does Not Belong?, I Can Write Numbers!, and many more!

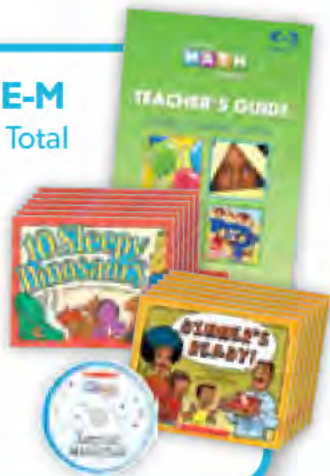


Grade 2: Levels E-M

35 Titles; 210 Books Total

Teacher's Guide K-2

Titles Include: Froggy Song, In the Jungle, Marvin's Busy Day, Mitten Count!, Odd or Even?, Shape Detective, I Smell a Cat!, and many more!



Grade 3: Levels L-Q

15 Titles; 90 Books Total

Teacher's Guide 3-5

Titles Include: Dogs Can Fly, A Tiling Tale Against the Clock, Count Your Chickens! Too Many Cooks, Zoo Foods, Pizza Party!, and many more!



Grade 4: Levels M-T

20 Titles; 120 Books Total

Teacher's Guide 3-5

Titles Include: Costume Party, Forest for the Trees, Money Matters, Symmetry Rules, X-Treme Sports, Weather Watch, Number Patterns, and many more!



Grade 5: Levels Q-W

20 Titles; 120 Books Total

Teacher's Guide 3-5

Titles Include: Bridging the Gap, Nature's Numbers and Patterns, Space Math, Tiles and Tessellations, Pyramids, Temples and Tombs, Wild Water: Facts & Stats, and many more!



Grade K-2 Complete Set: Levels A-M

60 titles, 360 Books total

Grades 3-5 Complete Set: Levels L-W

30 Titles; 180 Books Total

Grades K-5 Complete Set: Levels A-W

90 Titles; 540 Books Total

Order Form

New for K-5!

ITEM #	TITLE	QTY.	REG. PRICE	SALE PRICE	AMOUNT
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BNW547355	Leveled Math Readers Grade 1: Levels A-I (45 titles—270 books total, K-2 Teacher's Guide and 45 CDs)		\$1,865.35	\$1,399.00	
BNW547356	Leveled Math Readers Grade 2: Levels E-M (35 titles—210 books total, K-2 Teacher's Guide and 35 CDs)		\$1,599.00	\$1,199.00	
BNW554596	Leveled Math Readers Grade 3 Set: Levels L-Q (15 titles—90 books total, 3-5 Teacher's Guide and 15 CDs)		\$598.65	\$449.00	
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BNW547357	Grade K-2 Complete Set: Levels A-M (60 titles—360 books total, K-2 Teacher's Guide and 60 CDs)		\$2,399.00	\$1,799.00	
BNW551808	Leveled Math Readers Grades 3-5: Levels L-W (30 titles—180 books total, 3-5 Teacher's Guide and 30 CDs)		\$1,332.00	\$999.00	
BNW554715	Leveled Math Readers Grade K-5: Levels A-W (90 titles—540 books total, K-2 Teacher's Guide, 3-5 Teacher's Guide and 90 CDs)		\$3,732.00	\$2,799.00	

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