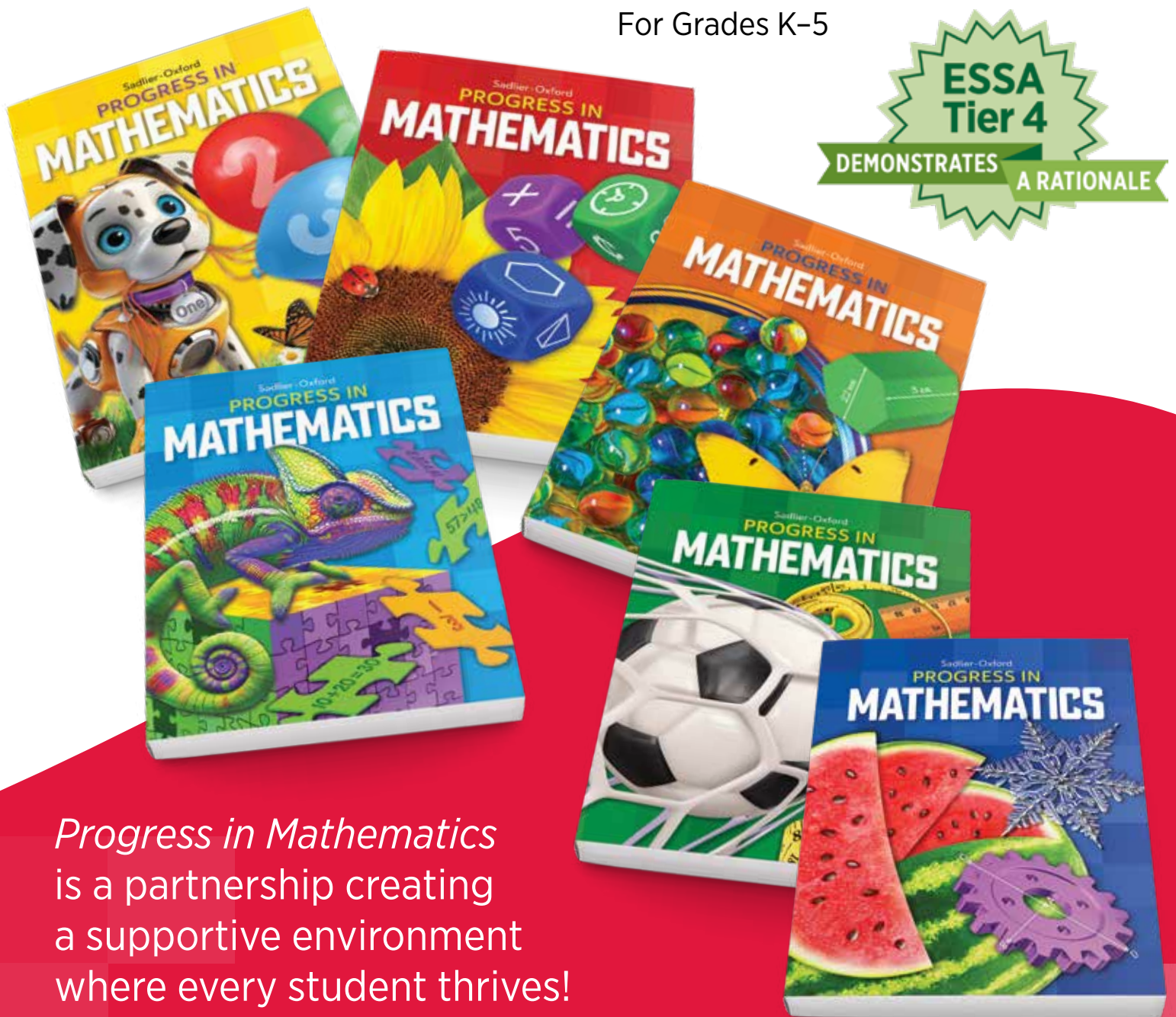


PROGRESS IN MATHEMATICS

NEW!

Established, Effective, and Enhanced

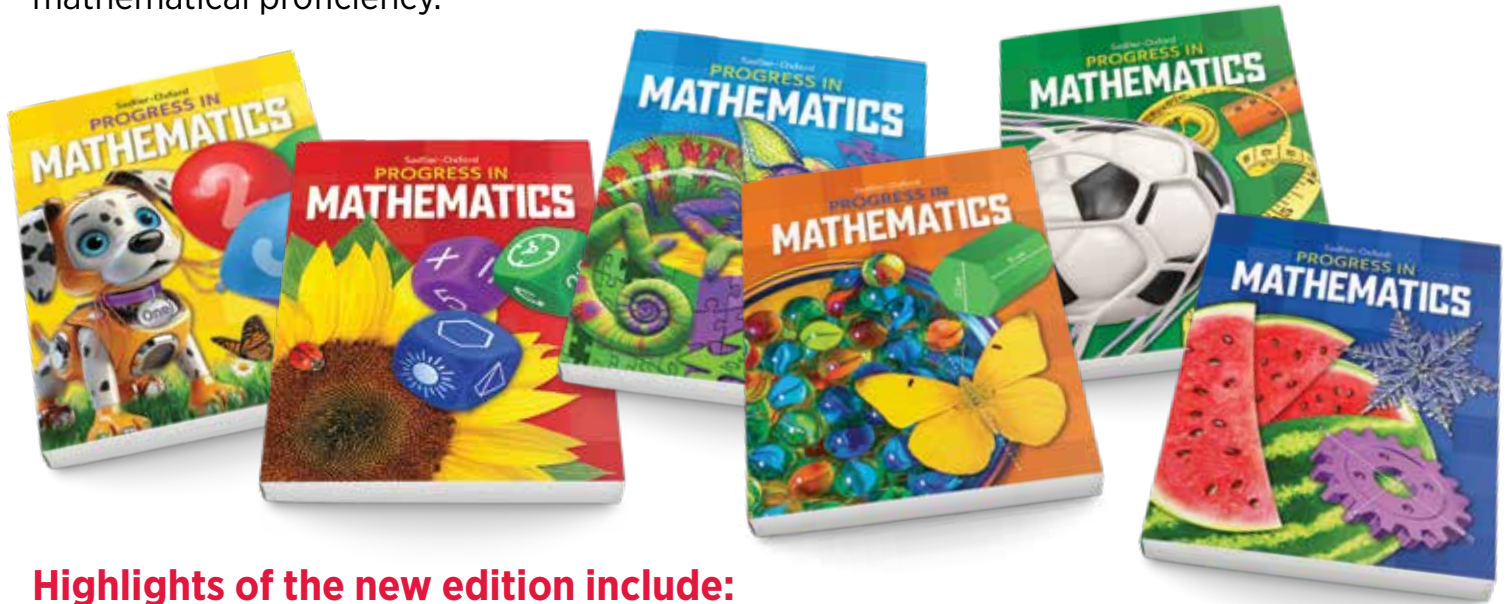
For Grades K-5



Progress in Mathematics is a partnership creating a supportive environment where every student thrives!

Establish Strong Foundational Math Skills Early On!

Sadlier is proud to introduce the **NEW** edition of *Progress in Mathematics* for Grades K–5. This well-respected program has been updated to ensure it continues to serve the next generation of students effectively. With a fresh design and enhanced features, the program enriches every student's learning experience, paving the way to mathematical proficiency.

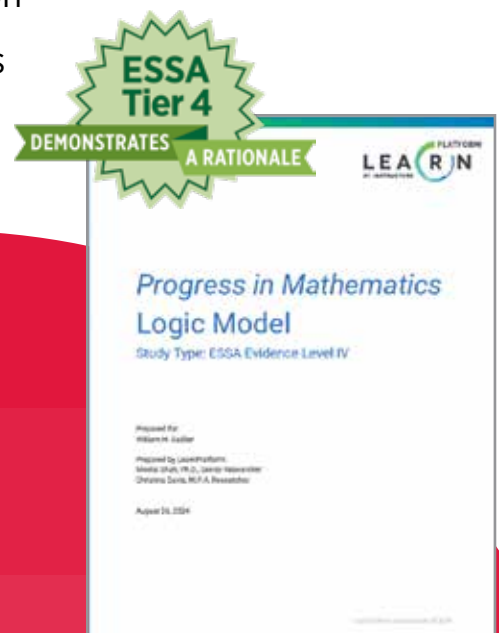


Highlights of the new edition include:

- **Enhanced problem-solving strand** with multistep and open-ended problems, plus opportunities for discussion
- **Differentiation supports** in every lesson to accommodate all learners
- **STEAM connections** in each chapter, making math more relevant and engaging
- **Streamlined lesson** organization for easier implementation
- **Updated lessons** that align with the latest math standards
- **Comprehensive assessments** to track student progress

Read the Research!

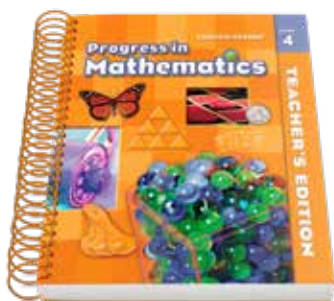
Progress in Mathematics has a proven pedagogy and rigorous instructional design that follows a systematic scope and sequence. *Progress in Mathematics* satisfies the ESSA evidence requirements for Tier 4 (Demonstrates a Rationale). Read the full report at www.SadlierSchool.com/PIMK-6



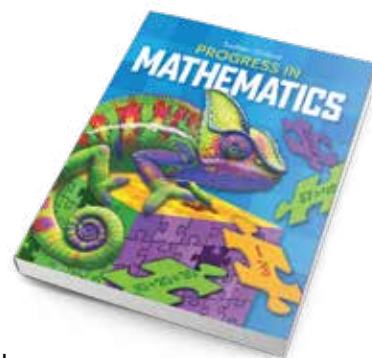
Program Components

Print and digital resources support instruction, practice, and assessment to build math proficiency.

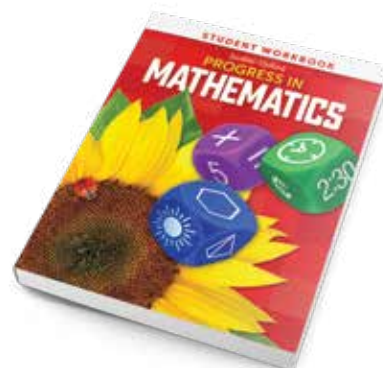
Student Editions include lessons, practice, reviews, and formative assessments aligned to grade-level expectations. Learn more on pages 2 & 3.



Teacher's Editions offer teacher support for effectively implementing grade-level learning objectives. Learn more on pages 6 & 7.



Student Edition Workbooks provide additional practice for every lesson with a QR code to the lesson's instructional video for easy reference outside of the classroom. Learn more on page 9.



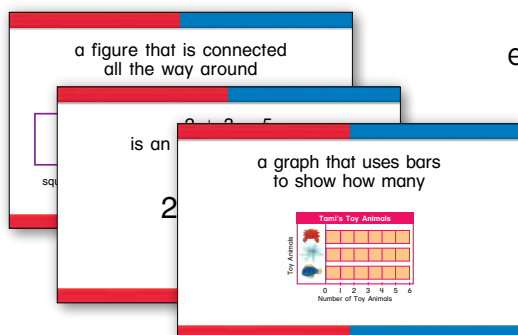
Scan to view
Program
Assessments.

Comprehensive Assessments, including Student Test Booklets and an array of formative and summative assessments, help teachers monitor student progress toward mathematical proficiency before, during, and after each chapter and support differentiated instruction. See also page 8 for *Full Access™*, a comprehensive assessment system.



Scan to view list of
Digital Resources.

Free Digital Resources, including instructional videos, interactive lesson slides and Mental Math activities, problem-solving and standardized test practice, supports for emergent bilingual students, and virtual manipulatives, support teachers, students, and families in reinforcing and extending grade-level concepts and skills. Available on [SadlierConnect.com](https://www.sadlierconnect.com)



Manipulatives Kits support the concrete mathematical experiences at each grade level.



Math Vocabulary Cards reinforce vocabulary students need to communicate mathematically.

Boost Mathematical Proficiency with a Comprehensive Approach

Begin the students' journey to mathematical excellence with *Progress in Mathematics'* comprehensive approach to learning!

Let's Learn!

Deepen students' conceptual understanding by connecting concrete to pictorial representations, and finally to abstract thinking with direct, explicit instruction.

Name _____

Let's Learn!

Listen Look at the picture.
Listen to the **subtraction story**.
Use to model the subtraction story.

4 in all.
Take away 3 .
1 left.

There is 1 left in the tray.

Use to model the subtraction story.
Write the numbers.

1. 3 in all.
Take away 2 .
1 left.

2. _____ in all.
Take away _____.
_____ left.

3. _____ in all.
Take away _____.
_____ left.

Let's Talk!

4. Look at the picture.
Tell a subtraction story.

Understanding Subtraction

Hands-On Lesson

Math Words
 subtraction story
 take away

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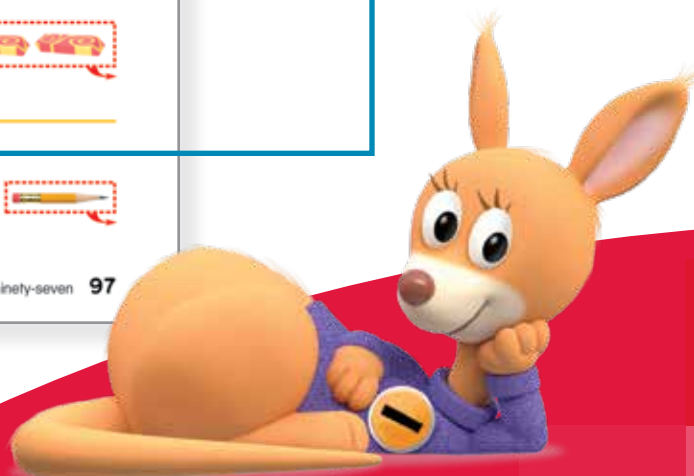
Chapter 3A Lesson 1 ninety-seven 97

Math Words

Target the precise language students should be learning and using to communicate mathematically.

Let's Talk!

Encourage students to articulate their thinking both orally and in writing.



Let's Practice!

Reinforce and apply Lesson concepts and skills in varied exercises and higher-order thinking problems.

Problem Solving

Multiple layers of problem-solving activities are embedded into each chapter and lesson.

End-of-Lesson Features

Retain and extend student learning with a variety of targeted activities.

Let's Practice!

Use  to model the subtraction story. Write the numbers.

5. 6  in all.

Take away 4 .

2  left.



Take away to find how many are left.



6.  in all.

Take away .

  left.



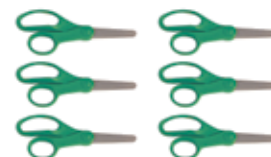
Problem Solving Use a problem-solving strategy.

7. There are 6  in a box.

Anne takes 3  for an art project.

How many  are left in the box?

There are  left in the box.



Challenge Yourself

8. Draw a picture to show the subtraction story.

Elena has 6 .

She gives some  to Tom.

Elena has 2  left.

How many  does

Elena give Tom?

Elena gives  to Tom.

98 ninety-eight



Math at Home Put a total of 5 or fewer objects on a flat surface. Take away some of the objects. Ask your child to tell a subtraction story that tells how many are left.



Math at Home

Extend learning into the home.



Enhance Critical Thinking with a Strong Problem-Solving Focus

Progress in Mathematics' enhanced problem-solving strand in every chapter equips students with practical skills for real-world applications.

- **Skill Application**

Lessons incorporate problem-solving opportunities, allowing students to apply the skills they've learned in meaningful problem-solving contexts.

- **Strategic Insights**

A dedicated lesson introduces a diverse array of problem-solving strategies based on Polya's renowned 4-step process—**Read, Plan, Write, and Check**—empowering students to solve a variety of problems.

- **Practical Application**

An application lesson allows students to put their newly acquired skills to the test in real-world scenarios.

- **Interactive Problem of the Day**

Daily problems in an interactive format are designed to engage students, stimulate critical thinking, and reinforce learning.

- **Additional Online Practice**

Online problem-solving exercises challenge students with higher-level thinking problems and are closely aligned with the chapter content.



This comprehensive approach to problem solving ensures students are not only learning problem-solving strategies, but also mastering their application in varied and dynamic contexts.

Name _____

Problem Solving Strategy

Use a Graph

Read Carlos has twice as many as which other sticker?

Sticker Collection	

Key: Each stands for 1 sticker.

Plan Use the graph. Count how many. Carlos has 6 . He has 4 and 3 . Which number doubled is 6?

Write $4 + 4 = 8 \rightarrow 4$ doubled is not 6.
 $3 + 3 = 6 \rightarrow 3$ doubled is 6.

Carlos has twice as many as .

Check Draw a picture to show how many of each sticker.

Use the pictograph above to solve each problem.

- Carlos puts all his stickers in a book. How many stickers are in the book? _____ stickers are in the book.
- If Carlos gets another , how many will he have? Carlos will have _____ .

Chapter 4 Lesson 8 one hundred seventy-three 173

Name _____

Problem Solving Applications

Read Plan Write Check

Mixed Strategies

Use a strategy you have learned.

Sports Card Collections	
Tobil	
Kacy	
Mandy	

Key: Each stands for 1 card.

Strategy File
 Act It Out
 Use a Graph
 Write a Number Sentence

Use the graph above for Exercises 1–3.

- Who has twice as many cards as ? _____
- How many more cards do and have than ? _____
- How many more cards does collect than ? _____ more
- Ada has 9 . Bo has 3 fewer than Ada. How many does Bo have? Bo has _____ .
- Rob has 3 and 2 . He also has 2 fewer than . How many robots does Rob have in all? Rob has _____ robots in all.

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Chapter 4 Lesson 9 one hundred seventy-five 175

Let's Practice! **Read Plan Write Check**

Use a strategy you have learned.

Leaves Children Collect	
Talia	
Jake	
Rich	
Maria	
Bob	

0 1 2 3 4 5 6 7 8 9 10 11 12
Number of Leaves

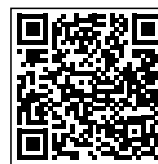
Strategy File
 Draw a Picture
 Write a Number Sentence
 Use a Graph

- Who collects the most leaves? _____
- Who collects the fewest leaves? _____
- Who collects the same number of leaves? _____ and _____
- Jake collects more leaves. He now has one fewer than Talia. Color the bar graph. Jake now has _____ leaves.
- Carlos and Iris each have 8 . Dale has 1 more than Iris. How many does Dale have? Dale has _____ .

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176 one hundred seventy-six

All pages from Student Edition, Grade 1



Scan to view pages from Grade 3.

Implement Each Lesson with Confidence

The Teacher's Edition provides educators with the tools to confidently teach the program, build students' math skills, and create an engaging learning experience, using a 5-step approach for clear, incremental learning.

Lesson Background

provides the instructional reason for teaching the lesson, connecting the current lesson skills, skills taught previously, and skills yet to be taught.

Vocabulary promotes the development of key **math vocabulary** to facilitate meaningful and insightful discussions.

1 Lesson Readiness Entry Ticket

serves as a tool to measure students' level of understanding of prior knowledge and activates prerequisite skills related to the current lesson.

2 Teaching the Lesson

provides the concrete (**Before Using the Page**) and the pictorial and abstract presentations (**Using the Page**) to help students make connections and develop a deep understanding of the lesson's content.

Lesson 3A-1

Understanding Subtraction

Objective
To explore the concept of subtraction as an action of separation from groups of 6 or less.

Background
Separation, or *take away*, is the most easily understood of the four meanings of subtraction. Later lessons introduce subtraction as part of a whole, comparison, and *how many more* are needed.

See also Professional Development Support online.

Vocabulary subtraction story, take away

Materials counters, classroom objects, connecting cubes

Virtual Manipulatives Counters, Connecting Cubes

1 Lesson Readiness

Entry Ticket Have children use counters at their desks to show the joining of two smaller groups to make a larger group. Say, "Show me two groups that will make a group of five in all." Have volunteers tell the story of the action. Be sure children understand that they have made a larger group by joining two smaller groups.

2 Teaching the Lesson

A slide presentation of the lesson is available at SodlierConnect.com. Go to Chapter 3 Lesson Slides.

Before Using the Page

Display five books. Tell the following story as you have a child remove one of the books:

• There are 5 books in all.
(Child's name) takes away 1 of them.
Now there are 4 books left.

Explain that you have just told a subtraction story. In the story, you told how

many books there were, how many were taken away, and how many were left.

Repeat with other subtraction stories. Encourage children to tell how many there are in all, how many they take away, and how many are left as they model each story. Have them also note that when they take away, the number of objects left is less than the number they started with.

Using the Page

Let's Learn! Have children look at the picture as you tell the following subtraction story.

• There are 4 pencils in the box. Ms. Jones takes away 3 of them. How many pencils are left in the box? (1)

Tell children that they can use cubes to represent the pencils in the story. Check that they begin with 4 cubes before taking away 3 of them.

Call attention to the red-dashed boxes around the pencils and cubes. Explain that the boxes are a way to show *take away*.

Math Words Tell this subtraction story: "There are 6 pens in all. Jim

All pages from Teacher's Edition, Grade 1



Guided Practice offers the chance to give students immediate feedback, helping them clear up any misconceptions or misunderstandings before moving on to working independently.

ONLINE RESOURCES SadlierConnect.com

Take away 1. How many are left?
Have a child draw a picture on the board and tell how many are left.

Guided Practice
Tell subtraction stories involving "take away" for Exercises 1–3. Guide children in using cubes to model each story. Use phrases such as "give away" or "remove" to introduce situations that involve "take away."

Let's Talk! Remind children to begin their story by telling how many pencils there are in all. Encourage them to use other phrases that suggest "take away."

3 Practice and Apply
Independent Practice
Direct children to the kangaroo wearing the minus sign. Tell them that whenever they see this kangaroo they will be learning about subtraction. Have children tell subtraction stories for Exercises 5 and 6.
In Exercise 7, children may cut out the problem with connecting cubes.
Exit Ticket Use Exercise 6 to assess children's understanding of the lesson's objective.
As you observe children, take note of those who

understand the "take away" meaning of subtraction.

Errors Commonly Made
The representational pictures on the pages may confuse children if they are using connecting cubes as models. (See Diagnostic Reteaching.)

Challenge Yourself!
Some children will have more success completing Exercise 8 if they use concrete objects. Point out that the story tells how many paper clips are left, but it doesn't tell how many are given away.

4 Summarize/Assess
Tell the following subtraction story:
• There are 4 rocks in the box.
Ken takes 1 of them.
How many rocks are left? (3)
Have children use connecting cubes to model the story, then tell how many rocks are left.

5 Follow-Up
Extra Practice
• Workbook p. 34
• Still More Practice (online)
Diagnostic Reteaching
Explain that when children use cubes to model "take away," their actions mirror the "take away" action in the pictures.
Related Activities
Reinforcement
Have children begin a Subtraction Book for the classroom library. Guide them in creating subtraction stories like those discussed in the lesson.
Online Resources
• Lesson Video
• Interactive Practice
• Reteach Lessons & Support
• Multilingual Learner Support
• Interactive Problem of the Day
• Interactive Mental Math
• Games and Study Aids

Let's Practice!
Use 10 to model the subtraction story.
Write the numbers.
5. 6 in all.
Take away 4.
2 left.

6. 3 in all.
Take away 2.
1 left.

Problem Solving Use a problem-solving strategy.
7. There are 6 in a box.
Anne takes 3 for an art project.
How many are left in the box?
There are 3 left in the box.

Challenge Yourself!
8. Draw a picture to show the subtraction story.
Elena has 6 .
She gives some to Tom.
Elena has 2 left.
How many does Elena give Tom?
Elena gives 4 to Tom.

98

3

Practice and Apply

includes tips for assigning **Independent Practice**, prompts for monitoring children's daily progress with **Observational Assessment**, and insights into areas where students might need more support with **Errors Commonly Made**.

4

Summarize/Assess

brings closure to the lesson and provides an **Exit Ticket** to assess students' level of understanding of its learning objective(s).

5

Follow-Up

offers a variety of resources to address individual needs, including extra practice materials, diagnostic reteaching strategies, small group activities, lesson extensions, online resources, and much more!

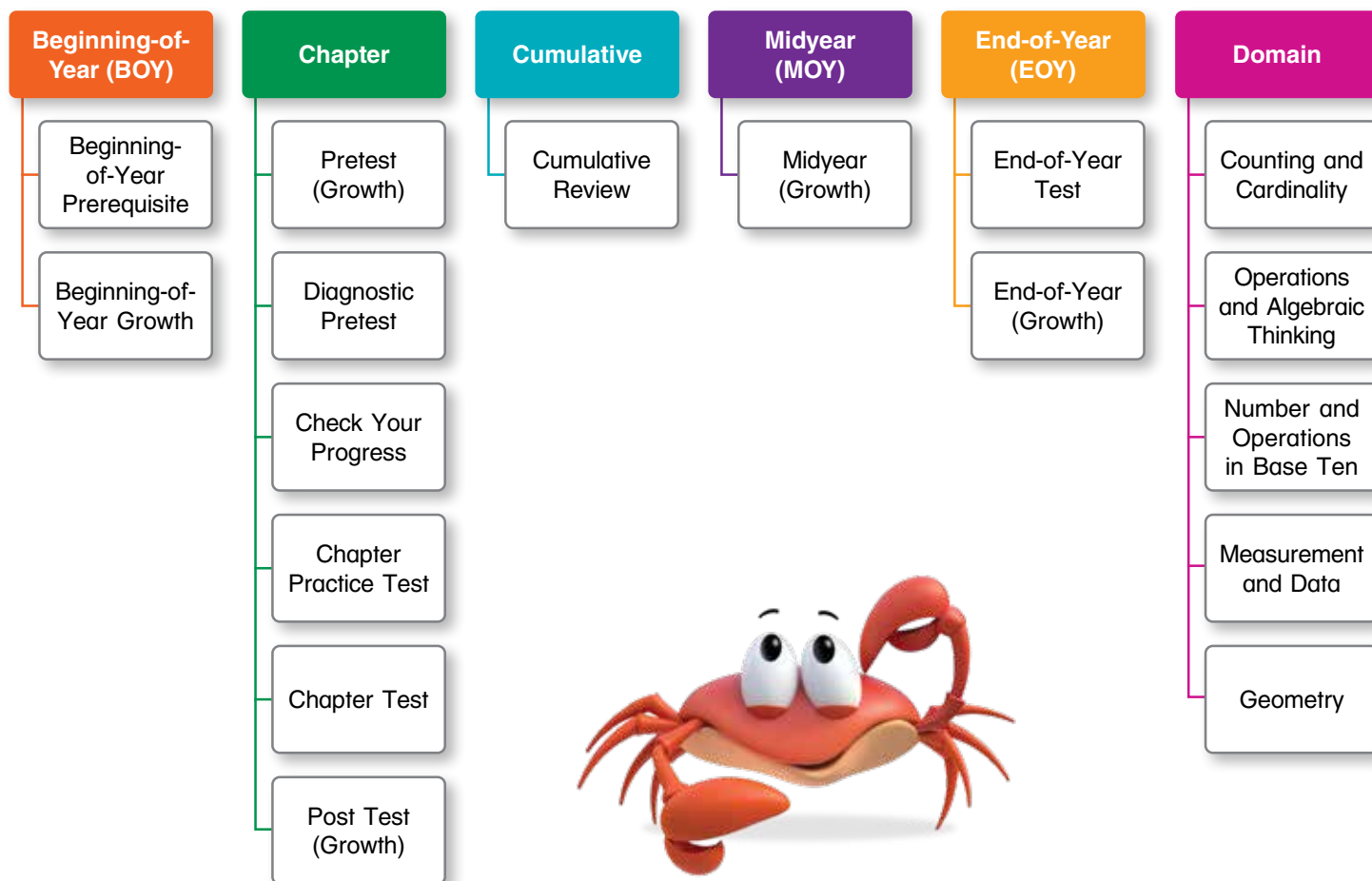
Check out these new resources for every lesson at [SadlierConnect.com](https://www.SadlierConnect.com)!

- Lesson Videos & Slides
- Interactive Practice
- Problem-Solving Practice
- Multilingual Learner Supports
- Reteach Lessons & Support
- Standardized Test Practice
- Interactive Problem of the Day
- Interactive Mental Math

Employ a Comprehensive Assessment Plan

NEW!
Kindergarten
Assessment

Progress in Mathematics has a comprehensive assessment plan which includes diagnostic, formative, and summative assessment options—in print and digital formats—to measure students' skill development. Teachers may choose from among these assessments to monitor and track students' mastery throughout the school year.

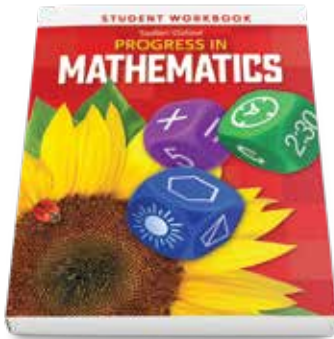


With *Full Access*, assess students' skill levels and support them with instruction practice, assessments, and robust reports!

- **Identify** and resolve students learning gaps.
- **Analyze** data and track student progress.
- **Create** and assign personalized action plans with resources on- and off-grade level content.

Empower Students' Learning

Progress in Mathematics offers a newly designed Student Workbook and a robust suite of **free digital resources** on [SadlierConnect.com](https://www.SadlierConnect.com) to support teachers, students, and families.



Student Edition Workbook, Grade 1

Student Workbook

Each Student Workbook is now offered in color to enhance visual engagement, improve the learning experience, and provide additional practice to reinforce Student Edition lesson objectives. Great for **homework and independent study**, each page includes a summary of the lesson instruction. Plus, QR codes link directly to lesson videos on [SadlierConnect.com](https://www.SadlierConnect.com).

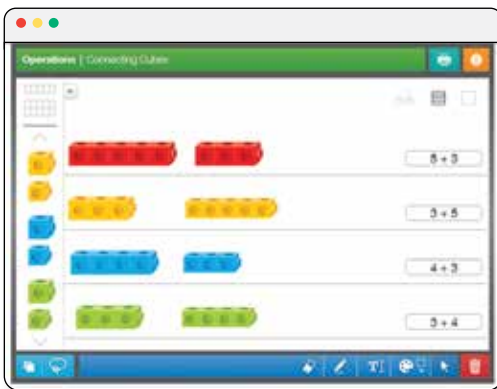
Digital Resources

A variety of online resources are offered to review, reinforce, and build math fluency.

For Teachers

Transform your classroom with robust digital tools tailored to facilitate the implementation of *Progress in Mathematics*.

- Lesson Planning Aids
- Multilingual Support
- Differentiation Tools
- Assessments

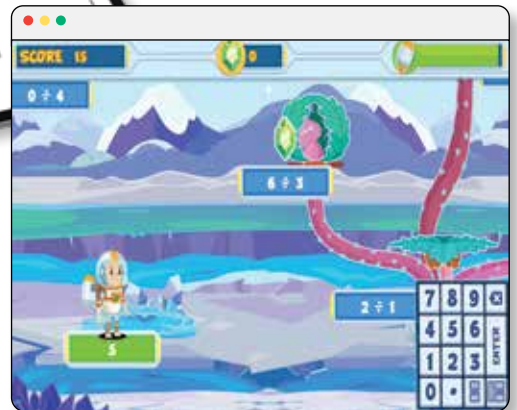


Virtual Manipulatives

For Students

Boost students' learning experience with interactive digital resources designed to make math both fun and effective.

- Interactive Practice, Games, and Study Aids
- Challenge Activities
- Interactive Standardized Test Practice



Interactive Activities and Games

For Families

Involve families in their child's math education with resources designed to bridge home and school.

- Home Chapter Support
- Math at Home (English & Spanish)



Home Math Activities

For a comprehensive list of digital resources for teachers, students, and families, visit www.SadlierSchool.com/PIMK-6.

NEW Progress in Mathematics for Grades K-5

NEW! Full Access Bundle

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Math Vocabulary Card Set

GRADE K		GRADES 1-2	
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* Also available as an eBook. ☑ Includes Teacher Access Code for secure online components.
 ** NOTE: Student Test Booklet (Package of 10) does not include the Teacher's Edition. ▼ Also available as a downloadable eBook. ◆ Quantities for digital licenses must include all user types (i.e., administrators, teachers, and students) needing to access the content. † Price applies only to multiple copies/licenses of the same title and grade, and not to the total number of items ordered.
 ◇ Must be used in conjunction with a Building License. Not valid without a Building License. See System Requirements at TechSpecs.SadlierConnect.com.

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