

Grade 4 Quick Start Guide

This guide will help you unpack and organize your materials, access additional resources, and prepare to teach Bridges.

What's in the boxes

The Bridges classroom kit comes packed in four boxes — Box 1 and 2 for Bridges, and Box 1 and 2 for Number Corner. Each box includes a package contents sheet you can use to check off items as you unpack.

What you'll need

There are many ways to organize your materials. Begin with the recommendations here, and refine your system throughout the school year to better meet the unique circumstances of your classroom.

You'll want to have the following materials on hand:

- Drawer or storage for Bridges and Number Corner card decks and display items
- Box or file for Number Corner calendar markers and titles
- Six trays or drawers that will hold 8¹/₂" × 11" Work Place record sheets, each 2 to 3 inches deep
- Container to hold small bags or containers of dice, game markers, measuring tapes, and spinner overlays
- Eight containers, one each for base ten pieces, plastic cubes, pattern blocks, geoboards, colored tiles and red linear pieces, money value pieces, calculators*, and modeling clay (in ziptop bags)*
- Quart-size and smaller ziptop bags for card decks and small manipulatives

* Required but not included in kit (RNI). A complete list of classroom materials is available at the Bridges Educator Site.

Box 1 Bridges printed materials

Teachers Guides

The Bridges Teachers Guides are divided into eight units of instruction, each of which contains twenty sessions of lesson plans with copies of print originals, student book pages, and Home Connections (homework assignments). Tabbed dividers are included for each unit.



Printed Bridges Components



Locate the package of **Ten Thousand Wall Pieces**. These pieces will be used in Unit 4 when students build the Great Wall of Base Ten. The pieces are coated so that tape can be easily removed from their surfaces. Keep them with your display materials or Teachers Guides.



This box also contains nine **card decks** that students will use to play partner games. Keep the decks with your Work Place game materials.

Keep the **Kids Discover Simple Machines** booklet with your Teachers Guides. You'll use it during Unit 8.



Kit materials may differ from those shown.

Box 2 Bridges manipulatives

Box 2 of your kit contains the math manipulatives and game items needed only in Bridges activities and lessons.

- Keep the **pan balance** and **mass weights** along with the **digital platform scale** in a cupboard or on a shelf.
- Store the money value pieces, base ten pieces, pattern blocks, plastic gram cubes, and geoboards in containers where you and students can readily access them.
- Put the **colored tiles** and **red linear units** (in their bags) together in another tub.
- Store the magnetic hooks, measuring cups, measuring tapes, oral syringe, and adding machine tape with your classroom supplies.
- Store the **game markers** in a small container. You'll add more game items to this container when you unpack your Number Corner materials.



Kit materials may differ from those shown.

- Pattern blocks
- 2 Money value pieces
- **3** Geoboards and geobands
- 4 Game markers
- 5 Plastic cubes
- 6 Pan balance and mass weights
- 7 Magnetic hooks
- 8 Adding machine tape
- **9** Digital platform scale
- **10** Measuring tapes
- 1 Oral syringe
- **12** Measuring cups

- **13** Linear unit pieces
- **14** Colored tiles
- **15** Base ten number and linear pieces

Box 1 Number Corner printed materials

Teachers Guides

The Number Corner Teachers Guides are divided into three volumes, each of which contains three months of instruction with copies of print originals and student book pages. Tabbed dividers are included for each volume.



place	value	hundreds tens opes 957 50 900		
Workhouse Gel-Gode (2)(1080)	number line		4 5 6 4 5 6 63 73 83 500	

Word Resource Cards

You'll use these cards to enhance your students' math vocabulary development in context throughout the year. Use the alphabetical tabs to sort the cards, and store the box of cards in your bookcase or cabinet.

Printed Number Corner Components

You'll need access to these materials throughout the year. Store them where you can easily retrieve them when needed.



Kit materials may differ from those shown.

Number line segments
 Calendar titles

3 Card decks

4 Calendar markers

Box 2 Number Corner manipulatives

Number Corner Box 2 contains math manipulatives and pocket charts.

- Store the **180° protractors** with your classroom supplies where you and students can readily access them. Keep the **360° protractor** with your instructional materials.
- Post the Calendar Grid pocket chart in your Number Corner display area.
- Add the **colored tiles**, **measuring cups**, and **pattern blocks** to those from your Bridges kit.
- Store the **spinner overlays** and **dice** with the game markers from your Bridges kit.



Kit materials may differ from those shown.

- Calendar Grid pocket chart
- **2** 1-quart measuring cups (4)
- **3** 1-cup measuring cup
- 4 Colored tiles
- 5 Pattern blocks

- 6 360° protractor
- 7 180° protractors
- 8 Dice
- 9 Spinner overlays

Preparing to teach

Take some time to assemble your Teachers Guide. Place each unit in the appropriate three-ring binder, and insert the tabbed dividers in the appropriate locations. Keep **Bridges Unit 1** and **Number Corner Volume 1** handy for the beginning of the school year. Store the other binders in your bookcase or cabinet.

Set aside some time to read the **Program Introductions**. These grade-level overviews, located at the beginning of Bridges Unit 1 and Number Corner Volume 1, introduce the components and structure of each program.



Preview Bridges Unit 1

Read the Bridges Unit 1Next, chIntroduction, whichModuledescribes the mathematicalmodulecontent of the unit—charts amodels, concepts, andto prepastrategies students willof time.work with throughoutthe unit'sintroduction also includesa list of Work Places

introduced in the unit, assessment information, and teaching tips.



Next, check out the **Unit 1, Module 1 overview**. Each module's overview includes charts and lists you can use to prepare materials ahead of time. <image><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header>

Look over the **first few lessons of Module 1**. Note that you'll conduct the first Math Forum of the year near the end of this module.

Then, preview the four Work Places you'll introduce during Module 2, which provide early opportunities to introduce and establish Work Place routines.

Preview September Number Corner

🗸 Sep	teml	ber D	aily Planner			September Warkeuts Number Corner September
0	Berry	Data	Antinitu	Undates		Workouts
Day 1	25 25	Date	Calendar Grid Introducing the Calendar Grid Computational Fluency Marking Multiples of 2 on the Number Line	opulati		Overview During this first month of school, students become familiar with the rhythms and
Juy 2	29		Solving Problems Introducing Solving Problems & Zara's Marbles	CG	Sentember Sample Display	routines of each Number Corner workout. They review, revisit, and extend the skills and
ay 3	22		Calendar Collector Introducing the Calendar Collector	CG	At the term of the balance program of the balance is a weight of the balance of t	concepts addressed in third grade and explore those to come in fourth grade. While each workput stands alone, there are connections among them that insite students to
uy4	35 36		Calendar Grid Updating & Discussing the Calendar Grid Computational Flaency: Introducing Splat!	cc	for details about preparing the items chown. The display logical chown frac on a 197 x 4 faultists baard or network x 4 faultists baards. Other configurations can be used according to choration needs. If you have extra space, a Number Conner header may be made from precise or hadmade materials.	consider the material in different contexts, which helps solidly and deepen their under- standing. The primary mathematical emphasis this month is multiplication. Students
lay 5	41		Solving Problems Discussing Zara's Marbles	CG, CC		review multiplication facts, work with multiples of 10, think about factors and multiples,
ay 6	43		Calendar Collector Introducing the Calendar Collector Record Sheet	cG	Calendar Ovd Observations	and work on strategies for multiplication with greater numbers.
uy 7	45		Calendar Grid Revealing the Tenth Marker & Introducing the Observations Chart	cc	75-ptember 2024	Copies & Display
ay 8	47		Computational Fluency Marking Multiples of 3 on the Number Line	CG, CC	Same Andre	Whit the Bridges Educator Site to review the Interactive Display Materials for this month of Number Comer Decide whether you will use disited materials for display.
ay 9	49		Computational Fluency Playing Splat! with a Partner	CG, CC		or copies of print originals and student book pages. Make copies as needed.
y 10	51		Calendar Grid Comparing Numeration Systems	cc		If students do not have Number Comer Student Books, run a class set of pages 1-13.
ry 11	53		Number Strings Number String 1	CG, CC		Additional resources, including printable sets of key questions for each September
/ 12	60 60		Computational Fluency Marking Multiples of 6 on the Number Line Calendar Grid Completing the Expanded Form Page	cc		workout, are available on the Bridges Educator Site.
γ13	61		Number Strings Number String 2	CG, CC		Plan to speed more time on the Number Conservedorute this month. Establish
y 14	63		Calendar Collector Sharing Observations & Computing Measurements	CG		procedures that ensure Number Corner runs smoothly all year, such as:
ry 15	65		Solving Problems Solving Xavier's Garden	CG, CC		» Moving quietly between tables and the Namber Corner discussion area
y 16	67 68		Calendar Grid Completing the Equations for Egyptian Numerals Page Computational Flaency Playing Splat! with a Partner	cc		 Picking up and putting away materials Bisponding to one another's thinking respectfully
ay 17	69		Solving Problems Discussing Xavier's Garden	CG, CC		 Think-pair-sharing effectively Previous first schedule death and an interview with the thic monthly antibities for if it
y 15	73		Calendar Collector Completing the Inches, Feet & Yards Page	CG		seems too eavy).
ry 19	75		Number Strings Number String 3	CG		 Invite all students participate as much as possible during Number Corner activities.
ry 20	79 80		Computational Fluency Looking Back at the Month Calendar Grid Concluding the September Calendar Grid		<u>ૡ૿ૢ૽ૢૢૢૢૢૢૢૢૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡૡ</u>	> Do encourage students to ask questions, summarize each other's ideas, and make connections to the conversation. > Do sak them to available that this ideal and its share their strategies
dates izys when ipdates ap endar Gri t after it i endar Col n introdu	Colenda spear bel d Post th sas been lector P ted.	r Grid and ine; see the se day's m introchace tost a 6-ine	Calendar Collector are not a featured workout, student helpen will update them. Sure Update Routene action for details. asker and any previous markers that have not been posted. Aliou, update the obset d. h strip on the yard strip for each day of school. Aliou, update the record sheet afte	rmaries of ervations er it has	Calendar Galicetar Calendar Ca	 Don't explain it for them or to them. Don't explain it for them or their away, but them or their classmates point out the emps.
					Norter Cone Part Edition Gold + Tauban Gold (* De Martin Gold)	
nber Corn	er Third B	dition Gra	de 4 Teachers Guide \$ 0 The Math Learning Center mathlearni	ingcenter.org		Number Corner Third Edition Grade 4 Teachers Guide 7 © The Math Learning Center mathlearningsenters

Check out the **September Daily Planner** and **Sample Display**. These introductory materials with each month of Number Corner will help you prepare your schedule and materials ahead of time. Next, read the **Workouts** section for information about the math content in this month's activities, an overview of each of the five workouts for the month, and more details about materials preparation.

Preview the Assessment Guide



Visit the Bridges Educator Site at teach.mathlearningcenter.org and navigate to your curriculum materials. Find the Assessment Guide, and read the introduction. Here you'll find information about observational, formative, and summative assessment in Bridges. Next, take a look at the **Bridges Unit 1** Assessments section of the guide. Here you'll find summary and scoring information for the assessment opportunities included in Unit 1, as well as answer keys and print originals for each assessment.

The Bridges Educator Site



teach.mathlearningcenter.org

The Bridges Educator Site is your source for interactive display materials, Work Place games students can play on tablets and computers, printable files, implementation and preparation guidance, the Bridges Assessment Guide, and more. Access to the Bridges Educator Site is included with the purchase of a Bridges or Number Corner kit. Your school or district account administrator can provide you with registration information.

For more assistance getting started with Bridges or the Bridges Educator Site, contact plsupport@mathlearningcenter.org.