

Grade 5 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, Omnifix cubes, pattern blocks, geoboards, colored tiles, money value pieces, geoblocks, and calculators (half-class set)*
- 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.



Calculators and printed Bridges components



Store the two types of **Strategy Match game boards** with your Teachers Guides or in a file.

Keep the **card decks** with the game boards or with other game materials. You'll add more card decks to these when you unpack your Number Corner boxes.

Students will use these items during Work Places and other games.



Store the Order of Operations calculators with your instructional materials. (Calculator color and manufacturer may vary.)

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.

- Store the Omnifix cubes, money value pieces, base ten pieces, pattern blocks, colored tiles, geoblocks, and geoboards in containers. You'll add more Omnifix cubes and money value pieces when you unpack your Number Corner materials.
- Store the **measuring cups** with your classroom supplies.
- Store the **protractors** and **measuring tapes** in a basket or small box.
- Store the **game markers** and **spinner overlays** in a small container. You'll add more spinner overlays and dice to this container when you unpack your Number Corner materials.
- Store the **thermometers, motors** and **solar mini-panels** for use much later in the year, during Unit 8.



Kit materials may differ from those shown.

- 1 Omnifix cubes
- 2 Measuring cups (1-quart)
- **3** Geoboards and geobands
- **4** Measuring tapes
- **5** Money value pieces
- 6 Protractors

- 7 Colored tiles (included in Number Corner kit)
- 8 Solar mini-panels
- 9 Base ten number and linear pieces
- **10** Spinner overlays
- **1** Measuring cups (1-cup)
- 12 Rectangular prism geoblocks
- **13** Pattern blocks
- 14 Game markers
- **15** Motors
- **16** Thermometers

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 s	dreds tens ↓ ones 957 ↓ ↑ ↑ 50 000	
Workhouse Gel-Gode (2)(1080)	number line		4 5 6

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.

Calendar titles

2 Card decks

3 Calendar markers

Box 2 Number Corner manipulatives

Number Corner Box 2 contains math manipulatives and pocket charts.

- Keep the **pan balance** and **mass weights** on a shelf or in a cupboard.
- Post the Calendar Grid pocket chart in your Number Corner display area.
- Store the **Omnifix cubes** and **money value pieces** with those from your Bridges kit.
- Add the **measuring cup** and **spinner overlays** to those from your Bridges kit.
- Store the **dice** with the spinner overlays and game markers.



Kit materials may differ from those shown.

- Calendar Grid pocket chart
- 2 Omnifix cubes
- **3** Dice

- 4 Pan balance
- **5** Additional mass weights
- 6 Measuring cup
- 7 Spinner overlays
- 8 Money value pieces
- 9 Colored tiles (not shown)

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.

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Preview Bridges Unit 1

Read the **Bridges Unit 1** Introduction, which describes the mathematical content of the unit models, concepts, and strategies students will work with throughout the unit. Each unit's introduction also includes a 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.

Building	g a community	
Summary		
In this session, studen like, using the think-p responses on a chart is which all students fee their first Work Place,	to discuss what a mathematics community looks and sounds air-share routine for the first time this year. The teacher records and emphasizes the need for a respectful, focused environment in I comfortable and are able to learn. Then students are introduced to Products Four in a Row.	
Module 1 Learning G	oals	
Students learn about	the relationship between multiplication and volume.	
Students strategize	about factors and products as they play a multiplication game.	
D Students reflect on 1	mer man prerences and expense.	
Students explore ex	pressions for volume by analyzing and decomposing constructed prisms.	
Materials		Vocabulary
Problems & Investig	gations Building a Community	"Nord Amource Cord availabl
Classroom Materials	chart paper	equation*
	markers	factor*
Problems & Investig	gations Introducing Work Place 1A Products Four in a Row	multiple*
Copies & Display	PO P1 Work Place Guide 1A Products Four in a Row	product*
	PO P2 1A Products Four in a Row record sheet	
No. 88. 0. 1. 1	S0 I Work Place Instructions 1A Products Four In a Row	
Kit Materials	game markers in a single color (2)	
Daily Practice		
Copies & Display	58 2 You Choose	
PO - Print Original, SB - St	udent Book, HC - Home Connection	
Preparation		
 Prepare student bo 	oks for use by writing students' names on them.	
 Draw a T-chart on 	chart paper. Label one column Looks Like and the other column	
Sounds Like.	mer Wintendung Minde Blace 18 Pendunte Cours in a Pene Refere this	
 mouse/s session, session review the 	Work Place Guide and Instructions, Make conies of 18 Products	
Four in a Row reco	rd sheet: you'll need a single copy for use today. 1 copy per student	
pair for use in Sessi	ion 2, and a class set plus extras to store in the Work Place 1A	
Products Four in a	Row tray, along with the materials listed on the Guide. The Guide	
ano includes sugg	incoms for dimensioning the game to meet students' needs.	
vear. Review this se	rssion ahead of time, as the details provided in this session about	
the think-pair-shar	e routine will help you successfully introduce it and will not be	
included in future	sessions. As you teach this session, try to maintain a brisk pace	
Through the metin	e introduction.	

Look over the **first few lessons of Module 1**. Take note of the Work Place you'll introduce during Session 2. While you'll introduce three more Work Places over the course of the unit, this one provides an early opportunity to introduce and establish Work Place routines.

Preview September Number Corner

				September Werkaats	
1 contor		Daily Planner		Number Corner September	
Septen	innei	Dally Flathler		Workouts	L
Day Page	Date	Activities	Updates	Workdus	
Day 1 25		Number Strings Number String 1		Overview	
lay 2 29		Computational Fluency Introducing Claim the Factors		September's workouts focus on addition and subtract'	ion of whole numbers, decimals
uy 3 33		Calendar Grid Introducing the Calendar Grid		September Sample Display and factors and volume. Over	the course of the month, students
uy4 37		Calendar Collector Introducing the Calendar Collector	CG	Of the terms shown below, some are wade-mode and included in your kit: you'T ensure others from discontemportativity and the included print originals. Refer to the Pressantion section in each vorkey. We want and externed to the print of th	septs as they begin to move into
ay 5 41		Solving Problems Introducing Solving Problems	CG, CC	for details about populing the instead down. The display load these fits on a 30° × C+ builteris based or non work × C+ builteris based or non work × C+ builteris based or non-builty of builteris based or builty of builteris based or builteris based	
ny 6 43		Calendar Grid Equations & Equivalencies, Part 1	CC	• per serie random series quare random register indem rest gamera care random c Random care random	
y7 45		Number Strings Number String 2	CG, CC	What the Bridges Educator Site to review the Inter	active Display Materials for this
y8 47		Computational Fluency Partner Claim the Factors, Part 1	CG, CC	Calender Grid Convertions Calender Cale	rill use digital materials for display
ny 9 49		Calendar Collector Revisiting the Collection	CG	V September 2024 The sector of print originals and student book page	es. Make copies as needed.
/ 10 53		Solving Problems Discussing Rock Hopping	CG, CC	Fitudenti do not have Number Comer Student So	.oks, run a class set of pages 1–8.
y 11 57		Number Strings Number String 3	CG, CC	Additional resources, including threaders	Jey questions for each September
12 61		Computational Fluency Partner Claim the Factors, Part 2	CG, CC		
c 13 63		Calendar Grid Equations & Equivalencies, Part 2	CC	Teaching Tips	
14 65		Calendar Collector What's Missing?	CG	Plan to spend more time on the Number Comer was	rekouts this month. Establish
15 67		Computational Fluency Factors & Multiples	CG.CC	procedure that ensure Namber Corrections that and	hly all year, such as:
15 69	-	Solving Problems Solving Another Problem	CG.CC	2 / Picking and patient and a strain and a	Contra calculation and
17 71	-	Number Strings Number String 4	CG.CC	Reporting to one another's thinking respectful	ây
18 25	-	Calandar Grid Discussion Predictions & Patterns	cc.	Think pair sharing effectively	
y 19 77	-	Calendar Collector Analyzing Lavers	CG	Opriveory too much if students are not getting all	If the math in this month's work-
ry 20 79	-	Solution Problems Discussion Field Trip Spacks	CG	out, of it seems to easy.	
lates zys when Coleno pdate: appear b ndar Geld The et date, then up ndar Collector mation on the C	der Geld i below; se student pdates ti r The stu Calendar	and Calender Calencer are not a featured worksort, student helpen will update the afte Update Austrian sectore for defaults helper transmort or more calender marken to stitute the Calender Codd is cample the information on the Calendar God Calencerations Caret and Engineer assessment and the the exclangular solid density formed; if Collector record dates.	vn. Suvermanies of else up to the helt fills in the	Cricked Sciences and a science of the science of th	re their stratogies.
				Number Center That Edition Gradu Thandoon Goldo e That Mail Learning Center metheringueme ag	
nber Conner Third	d Edition	Grade S Teachers Guide S O The Math Learning Center mat	hlearningcenter.org	Number Conner Third Editions Guide 5 Numbers Guide	7 O The Math Learning Center mathlearningcenter a

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



It by 2-digit multiplication problem. Draw loo k will vary	ps around groups of lines and dots. Write equations t
Connection to Unit	
	Activities for Reengagement
The ability to use the array model to	Focus Use an array to multiply
represent and solve a 1-digit by 2-digit multiplication peoplem supports and	Work Places from Grade 4
indicates a solid understanding of the	- WP 1A Cover Up
distributive property. This skill was	 WP 18 Arrays to 100
Introduced in grade 3 and was a central feature of the instruction in grade	Bridges Intervention Volumes
4-introduced in Unit 2, developed	 Volume 5, Module 3, Session 11
through the year, and targeted for	 Volume 5, Module 6, Session 29
proficiency in Unit 6. Students will neard to be fluent with L-dinit by 2-dinit	 volume 6, module 2, session 9
multiplication and basic multiplication	
facts to access and engage with much of	
the content of Unit 1.	
n an array to solve a 2-digit by 2-digit	equation. (CCSS 47481.5)
then determine the total product and compl	ete the equation beside the array.
Connection to Unit	Activities for Reengagement
The ability to use an open array to	Focus Find partial products in an array to solve a
represent and solve a 2-digit by 2-digit	2-digit by 2-digit equation
indicates a solid understanding of four	Work Places from Grade 4
partial products. This skill was a central	 WP 1A Cover Up
feature of the instruction in grade	 WP 18 Arrays to 100
through the year, and targeted for	Bridges Intervention Volume 6
proficiency in Unit 6. Reviewed in Unit 1	 Module 5, Sessions 22–34
and elsewhere in grade 5, this model	 Module /, Setsions 12–34
standard algorithm for multiplication with	
understanding in Unit 4. Students need	
to be fluent with this strategy to access	
Unit 1.	
	neighten processing of the sector of the sec



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.