

Mindful MATH

Proud to Be Primary

Multiplication & Division



2nd Grade Comprehensive Math Curriculum

Mindful MATH



Multiplication & Division

What is Included in this Comprehensive Unit:

- ♥ A month's worth of instruction
- ♥ Standard-based lessons
- ♥ 10 detailed lesson plans
- ♥ Differentiated practice worksheets
- ♥ Warm-up task cards
- ♥ Mental Math flash cards
- ♥ Math journal prompts
- ♥ Math games
- ♥ Math centers
- ♥ Three assessments: Quick Check task cards, pre-tests & post-tests for every lesson

I Can solve multiplication equations using equal groups

To multiply, we need to have an equal number of items in each group. It can also be shown as 3 groups of 4. Find the product by counting 4 groups of 3.

$$4 \times 3 = 12$$

Flip & GROUP

Record as a repeated addition sentence. 4×5

Record as a repeated addition sentence. $18 \div 6$

Mindful MATH Task Card #1

Go on a scavenger hunt and look for places where there are equal groupings. Add to an anchor chart.

Mindful MATH Task Card #2

Create an equal group multiplication problem for a peer to solve. Use small objects to give an equation.

Mindful MATH Task Card #4

Solve the multiplication equations using small objects and equal groups.

Mindful MATH Task Card #5

Solve the multiplication equations using repeated addition.

I Have I Have

$24 \div 6$	$18 \div 9$
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Who Has? Who Has?

$18-9=9$	$15-3=12$	$6-3=3$
$9-9=0$	$12-3=9$	$9-3=6$

I Have I Have

$15 \div 3$	$18 \div 6$
-------------	-------------

Skip Count by

Draw arrays on grid paper to solve.

2 rows of 8 is _____ 7 rows of 3 is _____
4 rows of 5 is _____ 9 rows of 2 is _____
6 rows of 2 is _____ 4 rows of 4 is _____
3 rows of 4 is _____ 5 rows of 3 is _____

Skip Count by

2 rows of 8 is _____ 7 rows of 3 is _____
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Mindful MATH



Multiplication & Division

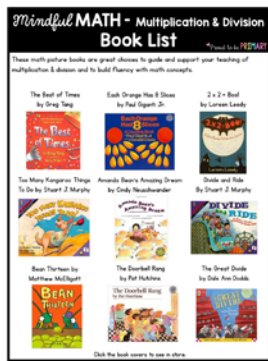
What's included in this 250-page unit:

Detailed Lesson Plans

Booklists

Posters & Materials

Mindful MATH - Multiplication & Division Lesson 3 - Repeated Addition	
Opening Activities	Students complete the Card Sort cards in pairs or triads. (15-20 min)
Mindful Math	Students will practice their multiplication and division skills by describing the array cards as with equations and arrays together.
Whole Group Lesson	Students begin with a 10-minute partner activity. Each multiplication equation is added to a 20-minute partner activity. Each division equation is added to a 20-minute partner activity. Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations.
Independent Practice	Students complete the practice cards on their own.
Hands-On Activities	Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations.
Quick Checks	Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations.
Lesson Goal	Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations.
Questions	Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations.
Lesson Materials	Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations. Students will be able to use their multiplication and division skills to solve the equations.



Task Cards

Math Journals

Mental Math Cards



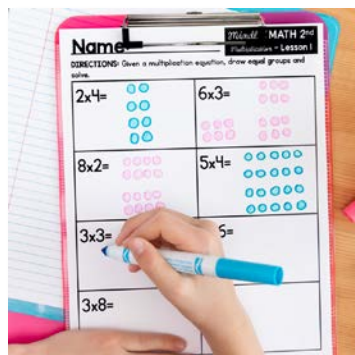
Mindful MATH



Multiplication & Division

What's included in this 250-page unit:

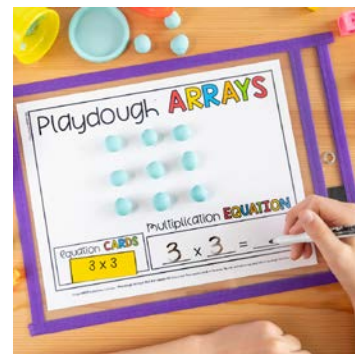
Worksheets



Games



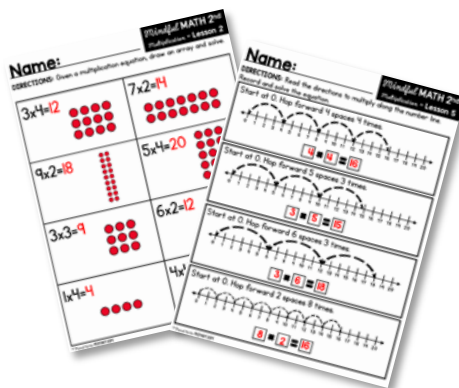
Hands-On Activities



Assessments



Answer Keys

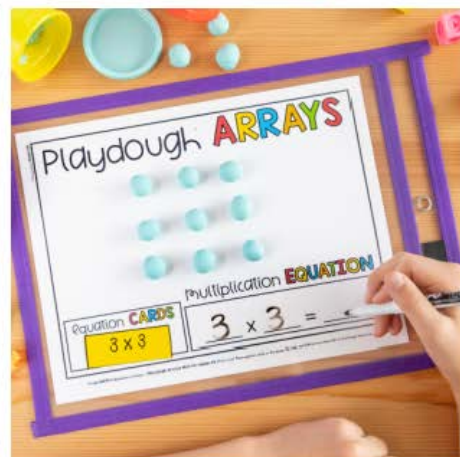
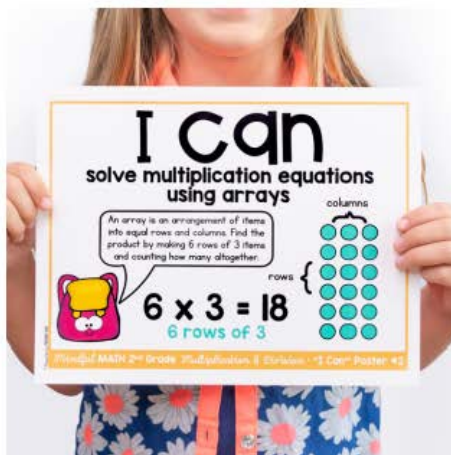


Centers



This Mindful MATH unit covers

- ♥ Making and separating equal groups
- ♥ Arrays
- ♥ Repeated addition & subtraction
- ♥ Skip count to multiply
- ♥ Using a number line to multiply & divide
- ♥ Multiplication & division are related



Mindful MATH

HAS WHAT TEACHERS LOVE!

- This ONE math curriculum unit is all you need to teach this math concept and meet the standards.
- Use the lesson and follow-up activities to cover your math block each week.
- The unit easily extends to an entire month of instruction.
- It covers standards and skills that Second Grade students need to learn before Third Grade!
- It saves you time as the planning is done for you!
- Make math FUN with a variety of activities.
- Keep kids engaged and help them build important math skills and fluency!
- You will have ALL the materials you need to successfully teach (with no need to supplement)!



Teachers Love Mindful MATH

Proud to Be Primary

Playdough ARRAYS

Kristine W.



My students are so engaged with this unit! The lessons are easy to follow and allow students to practice a lot. Fantastic worksheets and activities included. So many options!

Equation CARDS

$$3 \times 3$$

$$3 \times 3 = \underline{\quad}$$

Mindful MATH Multiplication & Division - Playdough Arrays Mat for Lesson #2 (Print a mat. Place equation cards on the space, flip over, and build arrays using balls of playdough. Record on...)

Our math units are enjoyed in thousands of classrooms worldwide!

Mindful MATH



See a Lesson Plan Up-Close

Quick, independent warm-up activities.

Mental math cards help build fluency.

Lesson can be easily broken down into mini-lessons and small-group instruction.

Use the lesson goal to guide the lesson.

Teach important math vocabulary.

Mindful MATH - Multiplication & Division	
Lesson 3 : Repeated Addition	
Opening Activities	Students complete Task Card #3 on boards or paper. Complete Journal Prompt #3 on a chart, mini whiteboard, or in a notebook. OPTIONAL: Pre-test.
Mental Math	As a whole class, practice Mental Math cards set #2 (arrays). Call on students to describe the array. Come up with an equation and solve together.
Whole Group Lesson	<ul style="list-style-type: none"> *Introduce lesson goal with "I Can..." poster #3. Teach multiplication as repeated addition as a 3rd strategy on the anchor chart. Explain that multiplication is simply repeated addition. To illustrate, give the example $5 \times 4 = 20$. Draw 4 equal groups of 5. Explain that we can simply add by 1 times to find the product ($5+5+5+5$). The answer is 20 because $4 \times 5 = 20$ and $5+5+5+5=20$. Repeat with different examples as needed. Do this without writing an equation and only showing equal groups. Emphasize how repeated addition can help us solve equations quicker and more easily than counting each item separately. *Show arrays and have students come up with repeated addition sentences to describe the number of rows and columns. Solve together. *Practice writing out repeating addition sentences given multiplication equations and vice versa (write multiplication equations given repeated addition sentences).
Independent Practice	Students complete the initial practice pages provided (4 page options for lesson #3) by following the directions on top of each page.
Hands-On Activities	<p>GAME: Play 'I Have, Who Has' card game matching repeated addition sentences with multiplication equations. Play 'Repeated Addition Scoot' by recording a repeated addition sentence for each representation on task cards.</p> <p>CENTER: Connect 4-piece puzzle with different multiplication representations.</p>
Quick Checks	Meet and have students complete Quick Check #3 and/or a post-test assessment to monitor multiplication equations using repeated addition.
Lesson Goal	Demonstrate how and use repeated addition to multiply.
Vocabulary	row, column, array, equal groups, repeated addition
Questions	<ul style="list-style-type: none"> What is repeated addition? How does repeated addition help us solve equations more easily?
Lesson Materials	<ul style="list-style-type: none"> Task Card #3 Whiteboards Journal Prompt #3 Pre & post tests Mental Math set #2 "I Can" poster #3 Anchor chart Small objects Practice Pages Card game Puzzles Scoot game & recording sheet Quick Check #3

Lessons for the whole group include teacher part and student practice of skills.

Differentiated practice pages build understanding of concepts.

Hands-on math activities, games, and centers build math fluency.

Three assessment options included.

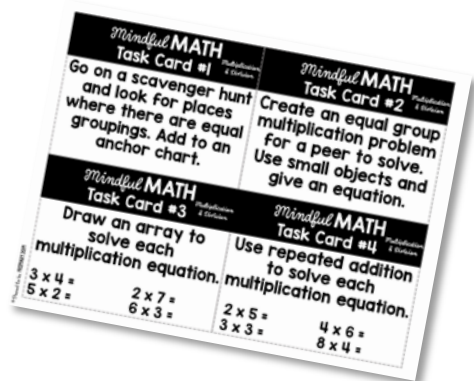
Helpful literature connection.

Mindful MATH



Warm-Up Task Cards

Task cards are a great warm-up to your math block. They provide a fun way to review and practice the skills taught in the lessons. Have students work independently, with a partner, or as a group to complete a quick math task using math manipulatives. Simply provide the prompt or task cards to get started!



Mindful MATH



“I Can” Posters

Concept posters are included for every lesson in this unit.

They clearly describe and illustrate the mathematical concept in the lesson. They are helpful to lead your lesson and as a visual reminder for students. Read the prompts to students, discuss, and then replicate the examples together.

I can
solve multiplication equations
using equal groups

To multiply, we need to have an equal number of items in each group. It can also be shown as 3 groups of 4. Find the product by counting 4 groups of 3.

4 x 3 = 12
4 groups of 3

Mindful MATH 2nd Grade Multiplication & Division: “I Can” Poster #1

I can
solve multiplication equations
using arrays

An array is an arrangement of items into equal rows and columns. Find the product by making 6 rows of 3 items and counting how many altogether.

6 x 3 = 18
6 rows of 3

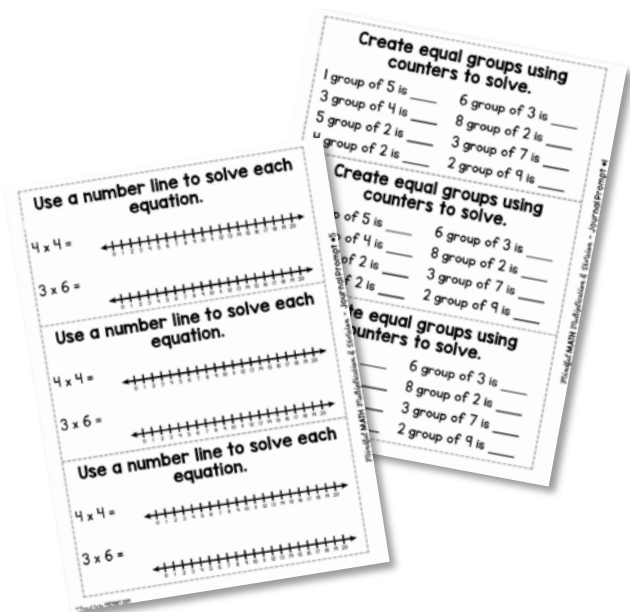
Mindful MATH 2nd Grade Multiplication & Division: “I Can” Poster #2

Mindful MATH



Math Journals

After each lesson, provide each student with a math journal prompt to review the concept taught. Have students complete the math journal prompt independently and show their work and understanding in a notebook. No more coming up with engaging prompts; these are done for you!

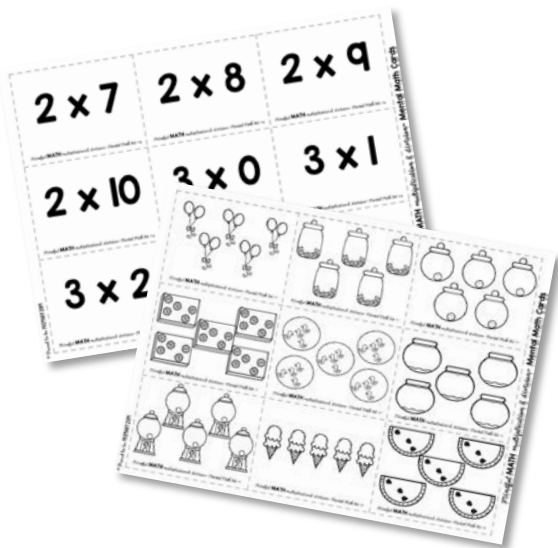


Mindful MATH



Mental Math Flashcards

Mental Math flashcards help build a child's mental math ability and fact fluency. Each lesson includes a creative way to use the cards, such as games, fact recall, and student call-out activities. These cards are also great to use as independent and small group review. Simply put them in a box for students to grab!

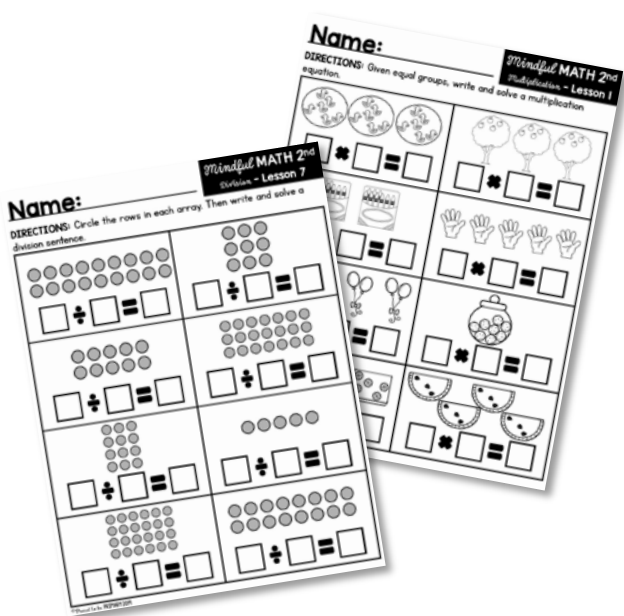


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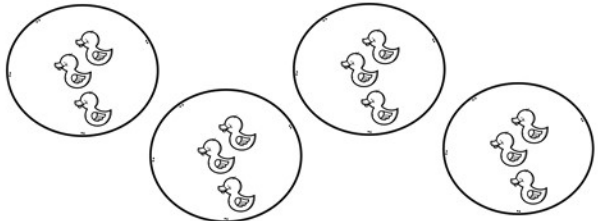
Practice Worksheets

Each lesson includes differentiated worksheets for your students to practice their math skills. Select the no-prep worksheets you wish for your students to complete, and then assign. These versatile pages are engaging, straightforward, and fun to complete.




Name: _____

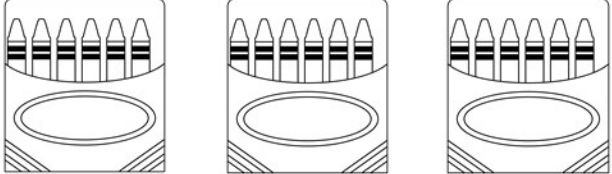
DIRECTIONS: Given equal groups, write and solve a multiplication equation.




× =




× =



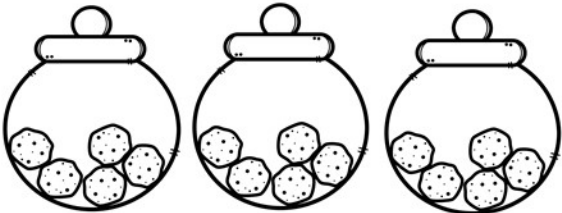
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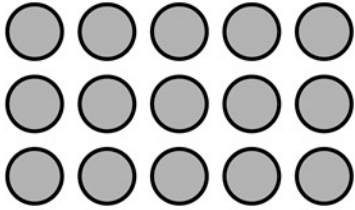
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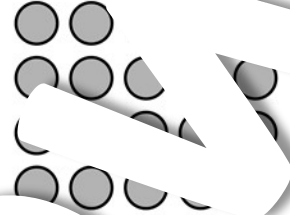
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Name: _____

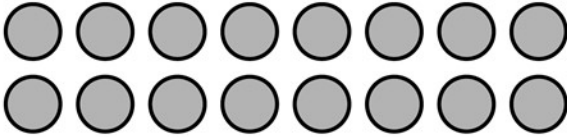
DIRECTIONS: Given an array, write and solve a multiplication equation.



$$\square \times \square = \square$$



$$\square \times \square = \square$$



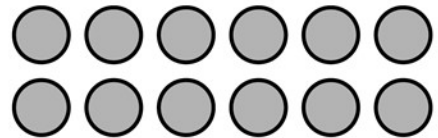
$$\square \times \square = \square$$



$$\square \times \square = \square$$



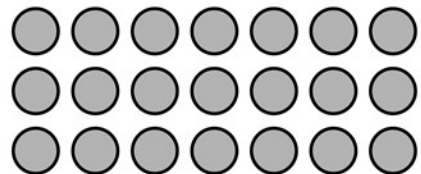
$$\square \times \square = \square$$



$$\square \times \square = \square$$



$$\square \times \square = \square$$



$$\square \times \square = \square$$

Mindful MATH



Math Centers & Games

There are a variety of fun and engaging math activities included for every lesson. These hands-on activities encourage focused math practice. They are great for small groups, partner games, and math centers. You will have the materials and instructions to implement the activities quickly and easily!

I Have	I Have
2×8	5×1
Who Has?	Who Has?
$1+1+1+1+1$	$6 \div 6$
I Have	I Have
2×6	3×7
Who Has?	Who Has?
$7 + 7 + 7$	$3 + 3 + 3$

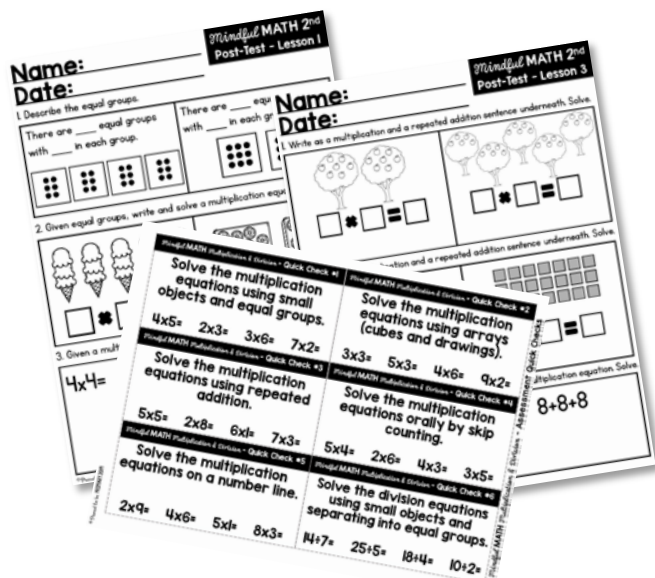


Mindful MATH



Math Assessments

There are three assessments included for every lesson: A 2-page pre-test and post-test, as well as a Quick Check assessment task card. The post-test help provide you with data about what your student knows and if they have acquired the necessary skills they need to know. Use the Quick Checks as a short activity for individuals or small groups to complete and show their understanding.



Use Mindful MATH for...

- ♥ Your Guided Math routine
- ♥ Whole group mini-lessons
- ♥ Small group instruction
- ♥ Supplement your math program
- ♥ Math warm-ups
- ♥ Math centers
- ♥ Assessments
- ♥ Sub-plans
- ♥ Home review



Teachers Love Mindful **MATH**

Proud to Be Primary

3 equal
groups
of 5

Rachel F.



These are my FAVOURITE units. They give so much information, teaching tips, and lesson plans to go along with each outcome. I'm from Canada and this unit still hit so many outcomes. My students loved it also.

3 equal
groups
of 6

Our math units are enjoyed in thousands of classrooms worldwide!

Mindful MATH

aligns to the
standards

- 2.OA.C.4

This unit aligns to Second Grade Common Core standards and other state and Canadian standards.

Lessons on division provide valuable beginning practice of 3rd grade concepts.

Use it to teach the standards in the U.S. and Canada.



Mindful MATH 2nd Grade

Multiplication & Division - Overview

Correlated to the United States Common Core Standards

Lesson 1	Multiplication as making equal groups	2.OA.C.4
Lesson 2	Multiplication with arrays	2.OA.C.4
Lesson 3	Multiplication as repeated addition	2.OA.C.4
Lesson 4	Skip counting to multiply	2.OA.C.4
Lesson 5	Using a number line to multiply	2.OA.C.4
Lesson 6	Division as separating into equal groups	This lesson is not necessary for 2 nd grade but provides valuable beginning practice of concepts taught in 3 rd grade.
Lesson 7	Division with arrays	This lesson is not necessary for 2 nd grade but provides valuable beginning practice of concepts taught in 3 rd grade.
Lesson 8	Division as repeated subtraction	This lesson is not necessary for 2 nd grade but provides valuable beginning practice of concepts taught in 3 rd grade.
Lesson 9	Using a number line to divide	This lesson is not necessary for 2 nd grade but provides valuable beginning practice of concepts taught in 3 rd grade.
Lesson 10	Multiplication and division are related	2.OA.C.4

Mindful MATH 2nd Grade

Multiplication & Division - Overview

Correlated to the NEW Ontario, Canada's Grade 2 Math Curriculum

Lesson 1	Multiplication as making equal groups	B2.5 represent multiplication as repeated equal groups
Lesson 2	Multiplication with arrays	B2.5 represent multiplication as repeated equal groups
Lesson 3	Multiplication as repeated addition	B2.5 represent multiplication as repeated equal groups
Lesson 4	Skip counting to multiply	Not covered but provides valuable practice
Lesson 5	Using a number line to multiply	Not covered but provides valuable practice
Lesson 6	Division as separating into equal groups	B2.6 represent division of up to 12 items as the equal sharing of a quantity
Lesson 7	Division with arrays	B2.6 represent division of up to 12 items as the equal sharing of a quantity
Lesson 8	Division as repeated subtraction	B2.6 represent division of up to 12 items as the equal sharing of a quantity
Lesson 9	Using a number line to divide	Not covered but provides valuable practice
Lesson 10	Multiplication and division are related	Not covered but provides valuable practice

Mindful MATH 2nd Grade

Multiplication & Division - Overview

Correlated to British Columbia, Canada's BIG Ideas for Grade 3

Lesson 1	Multiplication as making equal groups	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 2	Multiplication with arrays	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 3	Multiplication as repeated addition	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 4	Skip counting to multiply	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 5	Using a number line to multiply	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 6	Division as separating into equal groups	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 7	Division with arrays	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 8	Division as repeated subtraction	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 9	Using a number line to divide	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.
Lesson 10	Multiplication and division are related	This lesson is not necessary for grade 2 but provides valuable beginning practice of concepts taught in grade 3.

How to Teach **math** Easily & Effectively

With Elyse from Proud to Be Primary

Learn about teaching math
effectively in K-2 in our
FREE e-course.
CLICK to join!



Learn How to Teach
MATH
Effectively in K-2

FREE lessons
& activities
With Proud to Be Primary

Mindful **MATH** Curriculum for K-2



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I'd love for you to try a sample of Mindful Math with your students to see if it is a perfect fit for you and your students!

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[FREE SAMPLE!](#)

Why

Proud to Be Primary

Mindful MATH

BACKGROUND

The Mindful Math curriculum incorporates focused math learning opportunities and many components within each unit. The activities are hands-on and mind-on, meaning students are actively working on math and engaging their minds. Mindful Math lessons encourage different ways of thinking and representing math concepts.

Mindful Math includes a variety of thoughtful lessons and activities to help meet the needs of learners and their learning styles. Students will have many opportunities to learn, practice, and review new strategies and develop math fluency through whole group warm-ups and lessons, mental math, journals, centers, games, and assessments.

Mindful Math was created to give teachers a comprehensive math curriculum that engages minds and leaves students knowledgeable and fluent in math concepts. The curriculum aligns to the U.S. Common Core standards, the Canadian math curriculums in B.C. and Ontario, as well as many other math curriculums around the world.