

# Mindful MATH

Proud to Be Primary

## Division



3rd Grade Comprehensive Math Curriculum

# Mindful MATH



## Division

### What is Included in this Comprehensive Unit:

- ♥ Standard-based lessons
- ♥ 10 detailed lesson plans
- ♥ Practice worksheets
- ♥ Warm-up task cards
- ♥ Whole group number talks with speaking prompts
- ♥ Discussion questions
- ♥ Vocabulary posters
- ♥ "I Can" math standard posters
- ♥ Mental Math flash cards
- ♥ Math journal prompts
- ♥ Math games and centers
- ♥ Instruction sheets activities
- ♥ 3 assessments: Quick Check task cards, pre & post-tests for each lesson, & unit test

The collage features several educational materials:

- Roll, Multiply, Divide**: A worksheet with a grid for recording results.
- Roll A Family**: A worksheet with a grid for recording results.
- Mindful MATH Division - Lesson 5**: An instructions card for a flashcard speed game, including a list of rules and a grid for recording results.
- Mindful MATH Division - Lesson 1**: A worksheet with a grid for recording results.
- Mindful MATH Pre-Test - Lesson 1**: A worksheet with a grid for recording results.
- Mindful MATH 3rd Grade**: A poster with four houses containing division problems:  $39 \div 27$ ,  $48 \div 32$ ,  $30 \div 30$ , and  $69 \div 30$ .
- I Can understand and show division as a whole number divided into equal shares.**: A poster with the equation  $18 \div 3 = 6$  and a speech bubble explaining: "One way to look at division is to think about it as splitting a number into equal groups!"
- divide**: A poster with the text "The sharing of an amount into equal sized groups."
- equal**: A poster with the text "The sharing of an amount into equal sized groups."
- Mindful MATH 3rd Grade**: A poster with the text "You have 12 cookies, and you want to share them equally among 3 friends. How many cookies will each friend get? Are there other ways to share the 12 cookies equally?" and a large number 12 with a cookie illustration.

# Mindful MATH



## Division

What's included in this 400+ page unit:

Curriculum Map &  
Unit Overview

Unit	Topic
Unit 1	Numbers to 1000
Unit 2	Addition & Subtraction
Unit 3	Multiplication
Unit 4	Division
Unit 5	Fractions
Unit 6	Time & Measurement
Unit 7	Geometry
Unit 8	Data & Probability
Unit 9	Money & Financial Literacy
Unit 10	Algebra & Coord.

Lesson	Topic
Lesson 1	Understanding Division
Lesson 2	Using Repeated Subtraction to Divide
Lesson 3	Using Factures to Divide
Lesson 4	Solving Equations
Lesson 5	Solving by 2, 5, & 10
Lesson 6	Solving by 2, 5, & 10
Lesson 7	Solving by 2, 5, & 10
Lesson 8	Solving by 2, 5, & 10
Lesson 9	Solving by 2, 5, & 10
Lesson 10	Division Word Problems

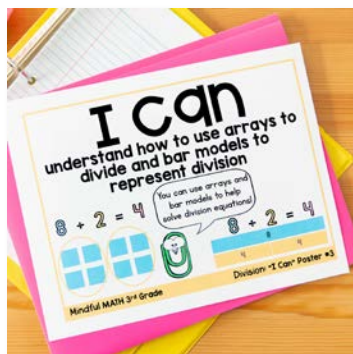
Detailed Lesson Plans

Section	Content
Opening Activities	Students complete Task Card #1 with a partner. Complete Journal Prompt #1 on a separate sheet of paper.
Number Talks	Complete Number Talks Activity together on the board. Discuss how students either independently or with a partner, complete Mental Math cards #1-4 (Groups of items divided into groups). Have students go through the cards and have them share their card #1-4.
Whole Group Lesson	Discuss the lesson goal with 'I Can' poster #1 and review with students how division is similar to sharing. Discuss multiplication to use for lessons (Generalization of the same task). Have one group of materials and have students count how many. Then, discuss how you can share those among a set of number of containers. Make the set of dividing by using and the multiplication. Use the activity, make sure it divides evenly. Ask students to share how you can also share to show division. Example: Draw 12 circles on the board and say they represent cookies to be shared. Then, draw 3 people (or another symbol) to represent kids to share amongst. Show the students how to use 'cookies' to each 'person' until you reach 12. Discuss and make the dividend, divisor, and quotient and how they relate to the sharing of cookies. Give students a problem to help. Do a few more examples on the board, walking through how to divide the cookies and make sure to talk through using the correct vocabulary. Have students record one on their own. Give them the 100 number (divisor) and how many shares (divisor). Ask them to find how many each person gets (quotient). Do another example on the board (divisor, dividend, and quotient). Have students use to write a division equation to represent what is happening. Substitution then to the dividend applied and how to apply it. Have students do a few examples, just for you, but not on their own.
Independent Practice	Students complete the printable practice pages provided (2 page options for lesson #1) by following the directions on top of each page.

Vocabulary Posters



"I Can" Posters



Task Cards



Mental Math Cards



# Mindful MATH



## Division

What's included in this unit:

Number Talks



Worksheets & Answer Keys



Journal Prompts



Hands-On Activities



Discussion Questions

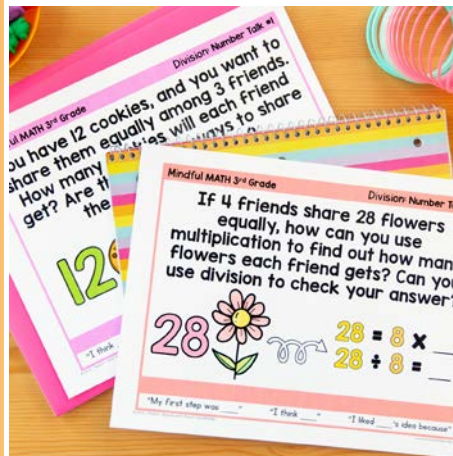
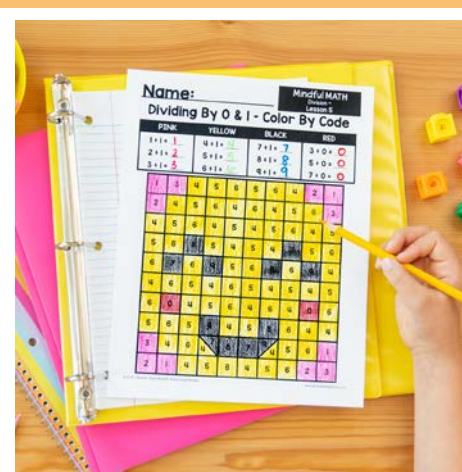


Assessments & Answer Keys



# This Mindful MATH unit covers

- ♥ Equal sharing
- ♥ Repeated subtraction
- ♥ Drawing pictures to divide
- ♥ Related equations
- ♥ Division facts 0-9
- ♥ Division Word Problems



# 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 each 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 Third Grade students need to learn before Fourth Grade!
- It saves you time as the planning is done for you!
- Make math FUN with a variety of activities, centers, and games.
- 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)!



# Mindful MATH



## See a Lesson Plan Up-Close

Quick, independent warm-up activities.

Mental math cards help build fluency & Number Talks encourage peer interaction.

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 - Division		
Lesson 1 : Understanding Division (Equal Sharing)		
<b>Opening Activities</b>	Students complete Task Card #1 with a partner. Complete Journal Prompt #1 on a chart, on mini whiteboards, or in notebooks. OPTIONAL: Pre-test.	
<b>Number Talks</b>	<ul style="list-style-type: none"> <li>•Complete Number Talks Activity 1 together on the board.</li> <li>•Have students either independently or with a partner, complete Mental Math cards set #1 (images of items divided into groups), have students go through the cards and say how many items total and "___ groups of ___".</li> </ul>	
<b>Whole Group Lesson</b>	<ul style="list-style-type: none"> <li>•Introduce the lesson goal with "I Can..." poster #1. Show with students how division is similar to sharing. Gather manipulatives to model lessons (preferably all the same type).</li> <li>•Take one group of materials and have student discuss how you want to share those among a certain number of classmates. (The act of dividing by passing out the manipulatives in this activity, make it divides evenly).</li> <li>•Model on the board how to also do division. Example: Draw 10 circles on the board and say "I have 10 cookies to be shared. Then, draw stick people (or another symbol) to represent people sharing amongst. Show the students how to divide the items next to each "person" until you count to 10.</li> <li>•Introduce and explain the "dividend" (total number of items) and how they relate to the sharing (or use vocabulary terms: dividend, divisor, and quotient). Do a few more examples on the board, making it clear how to use the vocabulary. Have students talk through it using the correct vocabulary.</li> <li>•Have students hand one on their own. Ask them to show how many each person gets (quotient).</li> <li>•Do another example on the board. Divide dividend, divisor, and quotient. Show students how to write a division sentence to represent what is happening. Introduce them to the division symbol and how to write it.</li> <li>•Have students do a few examples just like you did, but on their own.</li> </ul>	
<b>Independent Practice</b>	Students complete the independent practice pages provided (3 page options for independent practice) by following the directions at the top of each page.	
<b>Hands-On Activities</b>	<ul style="list-style-type: none"> <li>ACTIVITY: Equal Sharing - Students look at each task card and record total number of items, how many groups they are divided into and how many are in each group.</li> <li>CENTER: Let's Share - Students choose a card from the deck. Each card tells the total number of things to share and how many ways it needs to be shared. They model the division by drawing on the mat. Then, they record their answers. Repeat with another card.</li> </ul>	
<b>Assessment</b>	Meet and assess students complete Quick Check #1 and/or a post-test to see if they can understand and represent division as a total number and quotient.	
<b>Lesson Goal</b>	<b>Discussion Questions</b>	<b>Lesson Materials</b>
Understand and show division as a whole number divided into equal shares.	<ul style="list-style-type: none"> <li>•How is division like sharing?</li> <li>•What are some things that you divide up in your own life?</li> <li>•What happens if you change the number of people sharing something?</li> </ul>	<ul style="list-style-type: none"> <li>Task Card #1</li> <li>Journal Prompt #1</li> <li>Chart Paper</li> <li>Boards &amp; Markers</li> <li>Notebooks</li> <li>Pre &amp; Post tests</li> <li>Number Talk 1</li> <li>Mental Math set #1</li> <li>"I Can" Poster #1</li> <li>Practice pages</li> <li>Scout Cards and Recording Sheet</li> <li>Let's Share Center</li> <li>Quick Check #1</li> </ul>
<b>Vocabulary</b>	divide, equal, share, total, dividend, divisor, quotient, division symbol	

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.

Quick check, pre and post-tests, and a unit test are included.

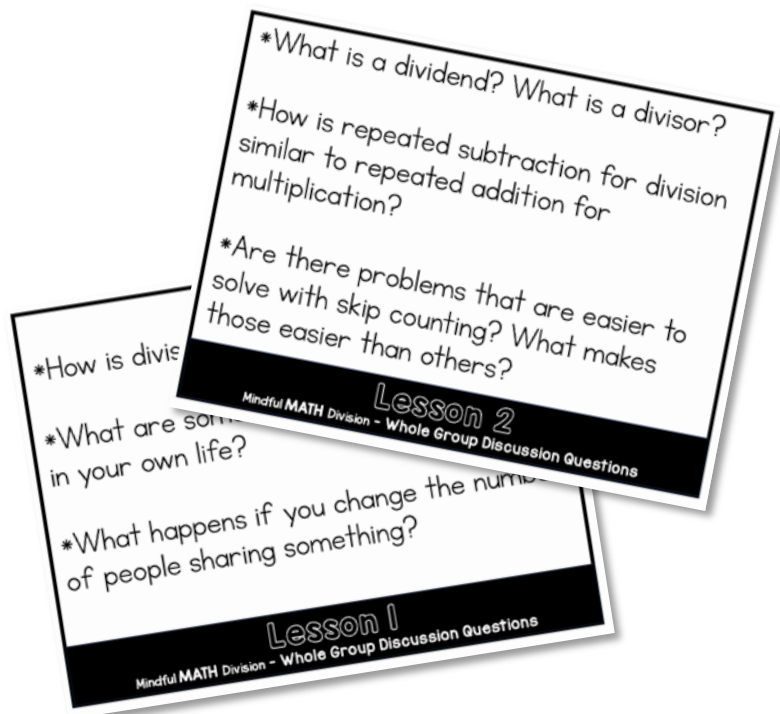
Discussion questions for whole or small group.

# Mindful MATH



## Discussion Questions

Each lesson has 3 discussion questions that can be used for small group or whole group instruction. The discussion questions are in poster form to be printed for teacher reference or projected for the students to see. You can also find questions on each lesson plan.



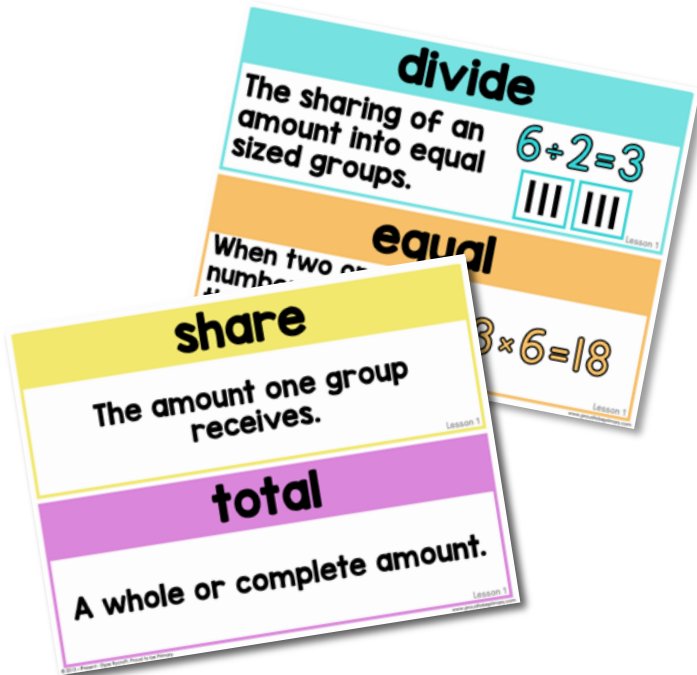


# Mindful MATH



## Vocabulary Posters

Each lesson has vocabulary words that are important for students to understand. You are provided with two types of vocabulary posters (with visuals and without) in both black and white and color for teachers to display in the classroom or on the board for student reference during and after lessons.



# Mindful MATH



## Number Talks

Number Talks encourage independent thinking while building a student's ability to express their own ideas. Each lesson comes with an open ended math question that can be used for a whole or small group discussion. Speaking prompts are also included on each number talk. An extra PowerPoint file is included for you to project to your class.

**Mindful MATH 3<sup>rd</sup> Grade** Division: Number Talk #2

You have 27 cupcakes to share equally. Your mom says you can give 3 cupcakes to 9 people. Your dad says you can give 9 cupcakes to 3 friends. Who is correct?

27   $28 \div 3 = 9$   
 $28 \div 9 = 3$

"To start, I \_\_\_\_" "I also thought \_\_\_\_" "I was confused by \_\_\_\_"

**Mindful MATH 3<sup>rd</sup> Grade** Division: Number Talk #1

You have 12 cookies to share equally among 3 friends. How many cookies will each friend get? Are there any other ways to share the 12 cookies?

12   $12 \div 3 = 4$   
 $12 \div 4 = 3$

"I think \_\_\_\_ because \_\_\_\_" "I agree with \_\_\_\_" "I disagree. I think \_\_\_\_"

**Mindful MATH 3<sup>rd</sup> Grade** Division: Number Talk #1

You have 12 cookies, and you want to share them equally among 3 friends. How many cookies will each friend get? Are there any other ways to share the 12 cookies?

12   $12 \div 3 = 4$   
 $12 \div 4 = 3$

"I think \_\_\_\_"

**Mindful MATH 3<sup>rd</sup> Grade** Division: Number Talk #2

You have 12 cookies, and you want to share them equally among 3 friends. How many cookies will each friend get? Are there any other ways to share the 12 cookies?

12   $12 \div 3 = 4$   
 $12 \div 4 = 3$

"I think \_\_\_\_"

**Mindful MATH 3<sup>rd</sup> Grade** Division: Number Talk #3

If 4 friends share 28 flowers equally, how can you use multiplication to find out how many flowers each friend gets? Can you use division to check your answer?

28   $28 = 8 \times 4$   
 $28 \div 8 = 4$

"My first step was \_\_\_\_" "I think \_\_\_\_" "I liked \_\_\_\_'s idea because \_\_\_\_"

# Mindful MATH



## "I Can" Posters

"I Can" concept posters are included for every lesson in this unit. They clearly describe and illustrate the mathematical concept in the lesson and align to the standards being taught. 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**  
understand how to use repeated subtraction and skip counting to divide.

You can use repeated addition or skip counting to help you solve division problems!

Repeated Subtraction:  $18 - 6 = 12$ ,  $12 - 6 = 6$ ,  $6 - 6 = 0$

Skip Counting: 1, 2, 3

Mindful MATH 3<sup>rd</sup> Grade  
Division: "I Can" Poster #2

**I can**  
understand and solve whole number division problems.

$18 \div 3 = 6$

One way to look at division is to think about it as splitting a number into equal groups!

Each group has 6!

Mindful MATH 3<sup>rd</sup> Grade  
Division: "I Can" Poster #1

**I can**  
understand how to use arrays and bar models to divide and represent division.

You can use arrays and bar models to help solve division equations!

$8 \div 2 = 4$

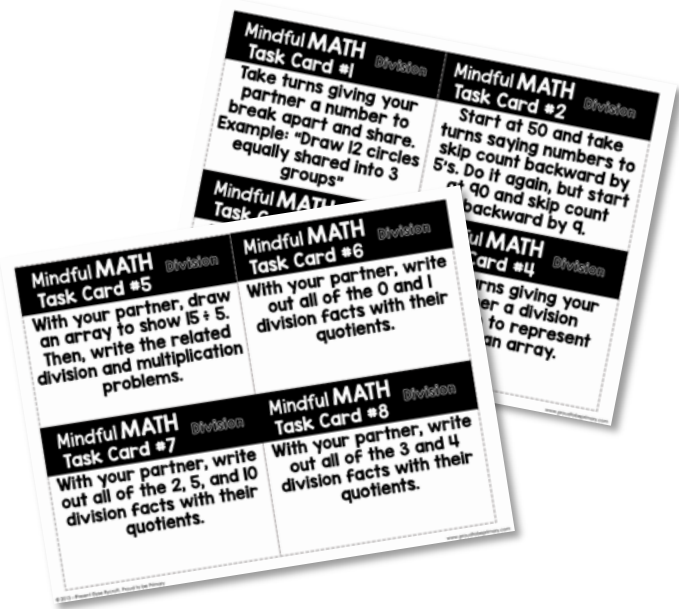
Mindful MATH 3<sup>rd</sup> Grade  
Division: "I Can" Poster #3

# 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.

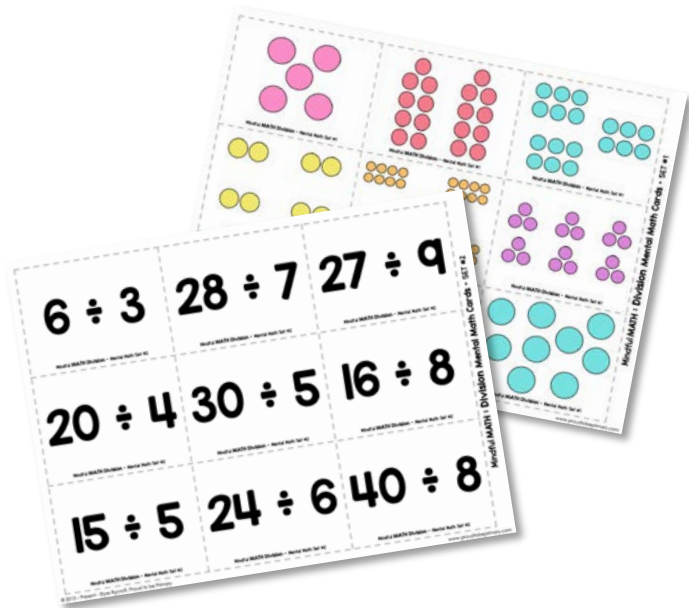


# Mindful MATH



## 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!

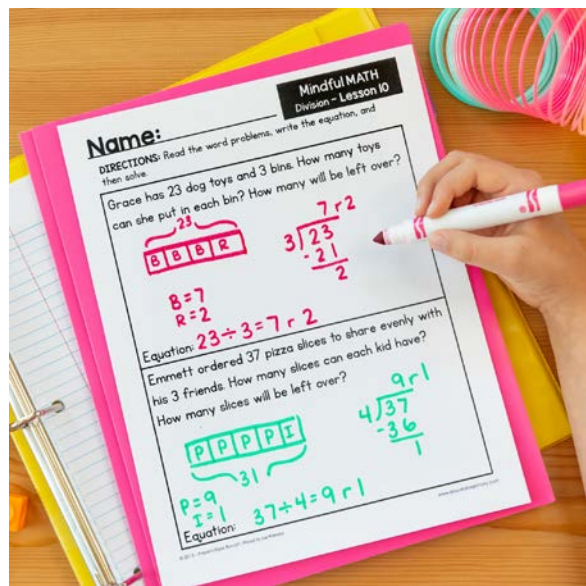
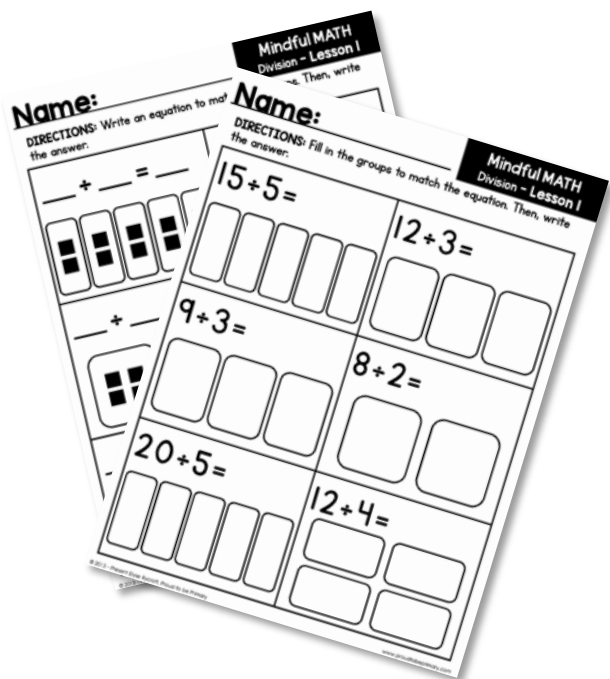


# Mindful MATH



## 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.



# 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



## 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. Instruction cards for each activity are also included!

**Mindful MATH Division - Instructions Card  
Flashcard Speed - Lesson 5**

- Students play with a partner or with a small group.
- Start with all cards face down in the middle of everyone playing. During each round, flip one card over.
- The first student to yell out the correct answer gets to keep the card.
- If a student answers incorrectly, they are not allowed to answer again.
- Continue rounds until all cards are claimed.
- The student with the most cards at the end wins.

**"Four!"**

$4 \div 1 =$

**Roll A Family**  
Mindful MATH  
Division  
Lesson 3

**Fact Family Hunt**  
Mindful MATH  
Division  
Lesson 5

Hand holding a card with the equation  $76 \div 4 = 19$ .

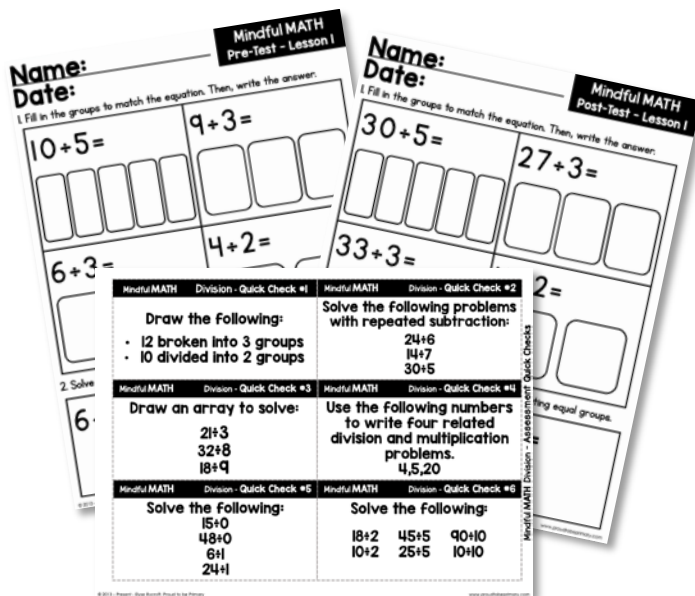


# Mindful MATH



## 3 Types of 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. There is also a final unit test.

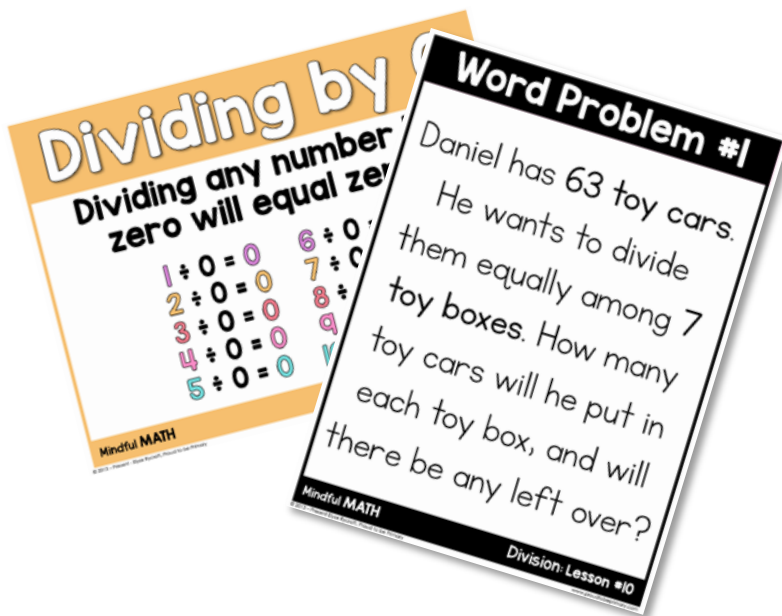


# Mindful MATH



## Lesson Materials

Everything needed to successfully teach the lessons included in this pack! Some lessons also have student friendly posters of important topics that can be displayed in the classroom. Other lessons may require math tools and we have provided you with printable versions of some of these to make teaching easier.



# Use Mindful MATH for...

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





# Mindful MATH

aligns to the  
standards

- 3.0A.A.2
- 3.0A.B.6
- 3.0A.A.4
- 3.0A.C.7
- 3.0A.A.3
- 3.0A.D.8

This unit provides review of second grade standards to prepare students for third grade concepts.

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

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

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, number chats, 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.

# How to Teach **math** Easily & Effectively

With Elyse from Proud to Be **Primary**

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



Learn How to Teach  
**MATH**  
Effectively in K-3

FREE lessons  
& activities

With Proud to Be **Primary**



## Mindful **MATH** Curriculum for K-3

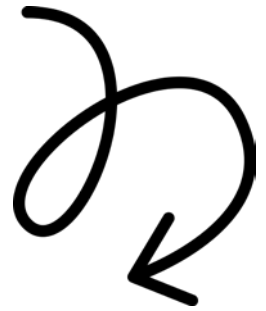


Click the images to see the Mindful Math curriculum  
**BUNDLES** with **EVERYTHING** you need for the whole year!

# Want a FREE Sample of Mindful MATH?



SIGN UP TO GET A MINDFUL MATH 3<sup>rd</sup> Grade LESSON & MATERIALS FOR FREE!



I'd love for you to try a sample of 3<sup>rd</sup> Grade Mindful Math with your students to see if it is a perfect fit for you and your students!

[CLICK HERE TO GRAB YOUR FREE SAMPLE!](#)

# Teachers Love Mindful MATH

Counting num  
back  
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Erin P.



Mindful Math is my go to for math in Kindergarten! So well thought out and engaging! Great Resource!

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multiplication  
number to itself a  
of times.

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Lesson 1

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Lesson 1

Our math units are enjoyed in thousands of classrooms worldwide!

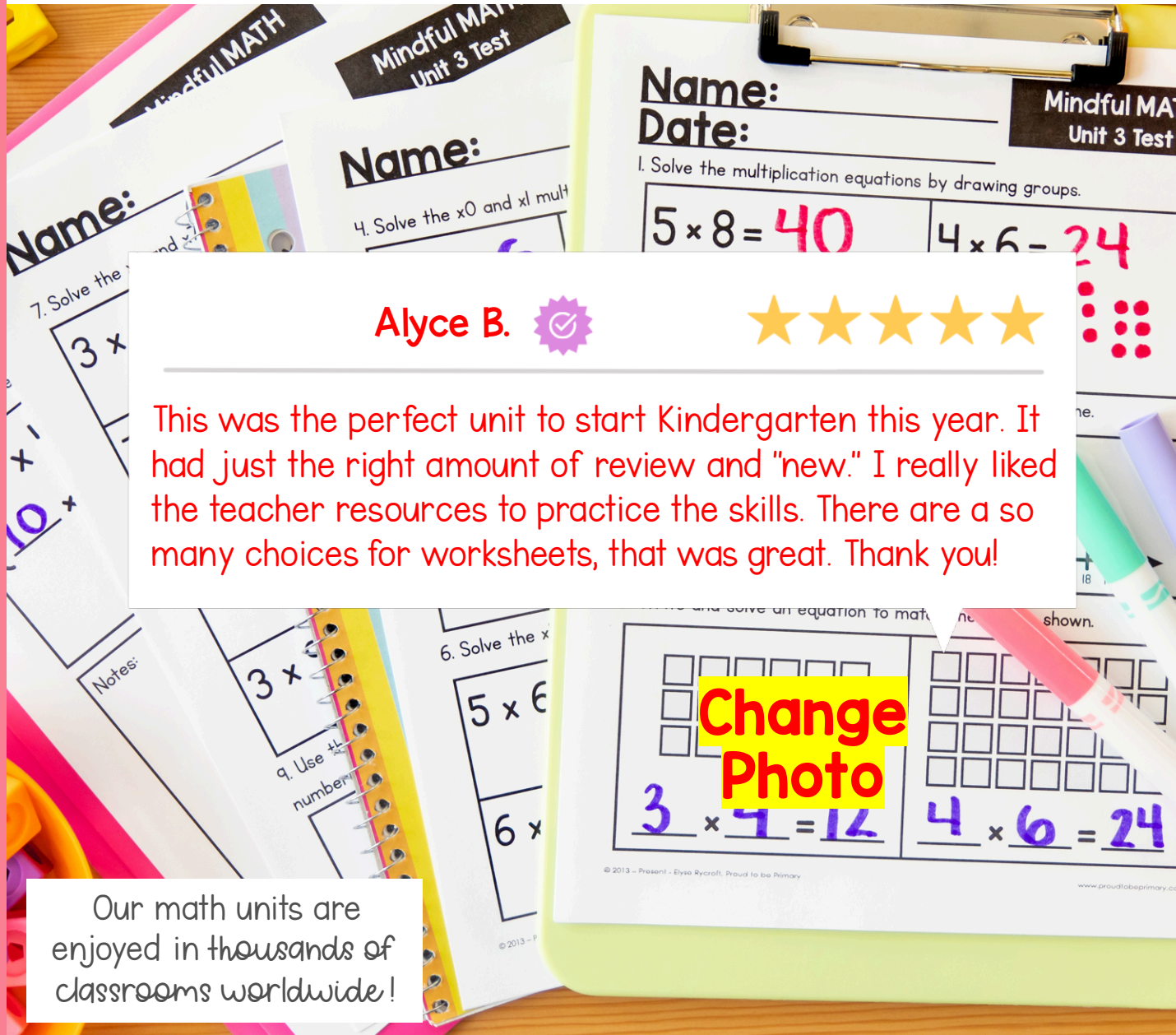




# Teachers Love Mindful MATH

Proud to Be Primary

# MATH



Name: \_\_\_\_\_

4. Solve the x0 and x1 mult

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Solve the multiplication equations by drawing groups.

$$5 \times 8 = 40$$

$$4 \times 6 = 24$$

Alyce B.



This was the perfect unit to start Kindergarten this year. It had just the right amount of review and "new." I really liked the teacher resources to practice the skills. There are a so many choices for worksheets, that was great. Thank you!

Change Photo

Our math units are enjoyed in thousands of classrooms worldwide!