

# Mindful MATH

Proud to Be Primary

## Fractions



3rd Grade Comprehensive Math Curriculum

# Mindful MATH



## Fractions

### 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 includes several educational materials:

- Spin a Fraction**: A worksheet with a spinner divided into 8 sections, numbered 1-8. It includes instructions for drawing a fraction and a table for recording results.
- Mindful MATH - Fractions Lesson 3: Naming Fractions (Fractional Parts)**: A worksheet with a grid for writing fractions that are less than 1/2 and greater than 1/2. It includes a "Pick and Compare" activity with instructions to place a pile of number cards face down, choose two cards, and compare them.
- Mindful MATH Fractions - Lesson 1**: A worksheet with a grid for coloring in the correct number of parts for each fraction (e.g., 3/5, 2/6, 3/4).
- Mindful MATH Pre-Test - Lesson 1**: A worksheet with a grid for coloring in the correct number of parts for each fraction (e.g., 3/4, 2/6, 3/4).
- Jelly Beans**: A worksheet with a grid for drawing a picture to show a fraction. It includes a problem: "Amy has 5 jelly beans. 2 of them are red and 3 of them are blue. Draw a picture to show this."
- I Can understand fractions as a part of a set or group**: A poster with a diagram of a group of 5 items, 3 of which are shaded. It includes a speech bubble: "One way to look at division is to think about it as parts of a group/set!"
- numerator**: A poster defining the numerator as "The number of parts of the whole; the top number of a fraction." It shows the fraction 2/5 with the 2 labeled as the numerator.
- denominator**: A poster defining the denominator as "The number of parts of the whole; the bottom number of a fraction." It shows the fraction 2/5 with the 5 labeled as the denominator.
- Mindful MATH 3rd Grade**: A worksheet with a problem: "Tyler has 24 lollipops to share with his friends. How many friends could he share with? How many lollipops would they each get?" It includes a diagram of a jar of lollipops and a calculation: 24 ÷ 6 = 4. The answer is "4 Friends each get lollipops".

# Mindful MATH



## Fractions

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 & Co.

Lesson	Topic	Standard
Lesson 1	Introduction to Fractions (Parts of a Whole)	1.NF.A.1
Lesson 2	Introduction to Fractions (Parts of a Whole)	1.NF.A.1
Lesson 3	Using Fractions	1.NF.A.1
Lesson 4	Fractions on a Number Line	1.NF.A.1
Lesson 5	Adding Fractions	1.NF.A.1
Lesson 6	Equivalent Fractions	1.NF.A.1
Lesson 7	Comparing Fractions with Common Denominators	1.NF.A.1
Lesson 8	Comparing Fractions with Common Denominators	1.NF.A.1
Lesson 9	Fraction Word Problems	1.NF.A.1
Lesson 10	Fraction Review	1.NF.A.1

Detailed Lesson Plans

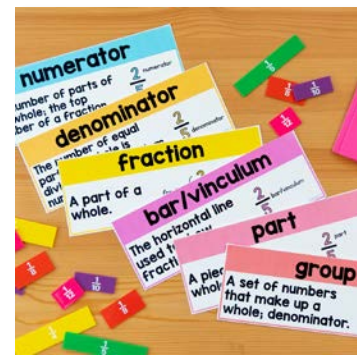
**Mindful MATH - Fractions**  
**Lesson 3 - Naming Fractions (Fractional Parts)**  
Students identify, label, Card #3 with equivalent Circles Journal Prompt #3 on a chart or on an abacus, or in a notebook (9/20/20), the first.

**Opening Activities**  
**Number Talks** Complete Number Talks Activity 3 together on the board. Have students either independently or with a partner complete Mindful Math cards set #2 (Access cut into fractions with different pieces shaded in), by using the fraction names.

**Whole Group Lesson** Distribute the lesson grid with 12 Circles #2. Review with students what they practiced in the last lesson. Draw a circle on the board, cut it into 4 equal-making sure to have them equal. Shade 1 slice and ask students what fraction this represents. Then shade 2 slices and ask the same question.  
\*Ask to students but while they will draw write a fraction the same way (numerator, fraction line, and denominator). They will sometimes name a fraction differently.  
Model drawing a circle, cutting it into pieces, and shading it blue. Have students do the same on their boards. Write the fraction 1/2 on the board. Ask students how they are that "1/2" (blue you cut the pieces 2 slices you are cutting it into halves).  
\*As the group will repeat this four times. You represent a slice with the fraction 1/4 and you are the "fourth". Access cut into 4 equal parts to cut into fourths.  
Model draw an abacus and cut it into 4 equal parts and shade 1 part. Have students do the same. Prompt students to write the represented fraction (1/4) and compare with them that even though the shape is different they are all the same (equal) with the circles, the pieces are all equal. The fraction 1/2 is "one the 2" and when you divide something into 2 equal parts, you are cutting it into halves.  
\*Use various shapes to review and divide (circles, squares, octagons, and hexagons).

**Student Practice** Students complete the printable practice pages provided (2 page sheets for lesson #3) by following the directions on top of each page.

Vocabulary Posters



"I Can" Posters



Task Cards



Mental Math Cards





# Mindful MATH



## Fractions

What's included in this unit:

Number Talks



Worksheets & Answer Keys



Journal Prompts



Hands-On Activities



Discussion Questions

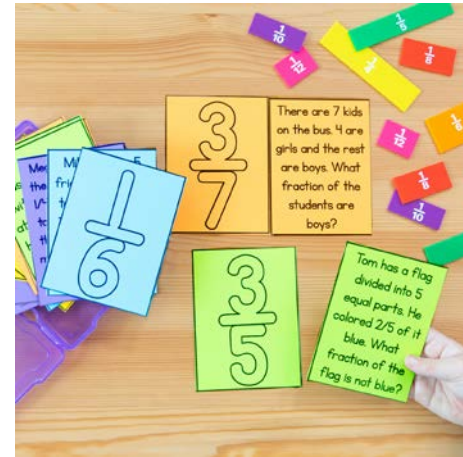
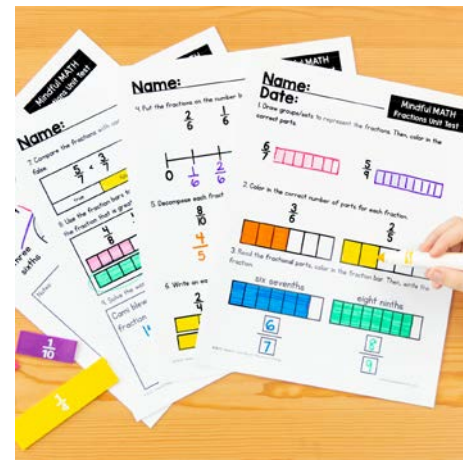


Assessments & Answer Keys



# This Mindful MATH unit covers

- ♥ Parts of a group and whole
- ♥ Fractional parts
- ♥ Fractions on a number line
- ♥ Composing / Decomposing Fractions
- ♥ Equivalent Fractions
- ♥ And more!



# 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 - Fractions		
Lesson 3 : Naming Fractions (Fractional Parts)		
<b>Opening Activities</b>	Students complete Task Card #3 with a partner. Complete Journal Prompt #3 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 3 together on the board.</li> <li>Have students either independently or with a partner, complete Mental Math cards set #2 (shapes cut into fractions with different pieces shaded in), by saying the fraction shown.</li> </ul>	
<b>Whole Group Lesson</b>	<ul style="list-style-type: none"> <li>Introduce the lesson goal with "I Can..." poster #3.</li> <li>Review with students what they practiced in the last lesson. Draw a circle on the board, cut it into 6 slices making sure to keep them equal. Shade 1 slice and ask students what fraction this represents. Then ask the same question.</li> <li>Explain to students that when they will always use a fraction the same way (numerator, fraction bar, and denominator). They will sometimes not use a fraction a different way.</li> <li>Model drawing a circle, cutting it into 6 equal slices, and shading in 1 slice. Have students do the same on their boards. Write the fraction <math>\frac{1}{6}</math> on the board. Ask students how they are cutting it. "One half" "When you cut a pizza into 2 slices, you are cutting it into halves."</li> <li>Do this again with a circle cut into 4 slices. Shade 1 slice with the fraction <math>\frac{1}{4}</math> and write "one fourth." A pizza cut into 4 equal parts is cut into fourths.</li> <li>Next, draw a rectangle and cut it into 3 equal parts and shade in 1 part. Have students do the same. Prompt students to write the represented fraction (<math>\frac{1}{3}</math>) and review with them that the shape is different than what they've practiced with the circles, the pieces are still equal. The fraction <math>\frac{1}{3}</math> is "one third." Then you are cutting something into 3 equal parts, you're cutting it into thirds.</li> <li>Use the same shapes to review and discuss fifths, sixths, eighths, and tenths.</li> </ul>	
<b>Independent Practice</b>	Students complete the differentiated practice pages provided (3 page options for each) by following the directions on top of each page.	
<b>Hands-On Activities</b>	<ul style="list-style-type: none"> <li>CENTER: Fraction Sort: Students use cards that have equally divided shapes that represent different parts they represent (halves, thirds, fourths, etc).</li> <li>CENTER: Spin a Fraction: Students use two spinners to choose a numerator and a denominator. Then, they record the fraction and draw a picture representing the fraction.</li> </ul>	
<b>Assessment</b>	At the end of the lesson, students complete Quick Check #3 and/or a post-test assessment (can name fractional parts).	
<b>Lesson Objectives</b>	<b>Essential Questions</b>	<b>Lesson Materials</b>
<ul style="list-style-type: none"> <li>Name some real life parts that you may cut into fractions?</li> <li>Examples: pizza, cake, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Draw four pizzas and cut them into halves, thirds, fourths, and sixths. Shade in 1 slice and write its fraction. As the number on the bottom of the fraction goes up, what happens to the size of the piece?</li> </ul>	<ul style="list-style-type: none"> <li>Task Card #3</li> <li>Journal Prompt #3</li> <li>Chart Paper</li> <li>Boards &amp; Markers</li> <li>Notebooks</li> <li>Pre &amp; Post tests</li> <li>Number Talk 3</li> <li>Mental Math set #2</li> <li>"I Can" Poster #3</li> <li>Practice pages</li> <li>Fraction Sort cards and boards</li> <li>Spin a Fraction Boards and Recording Page</li> <li>Paper-clip/Spinner</li> <li>Quick Check #3</li> </ul>

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.

**Lesson 1**  
Mindful MATH Fractions - Whole Group Discussion Questions

- \*What does the numerator in a fraction tell us?
- \*What does the denominator in a fraction tell us?
- \*Explain the numerator and denominator in the fraction  $\frac{2}{7}$ .

**Lesson 2**  
Mindful MATH Fractions - Whole Group Discussion Questions

- \*When you are cutting a pizza into equal parts, are there a certain number of slices that are easier to do? Are there some that are harder?
- \*When sharing a pizza would you get more by cutting more pieces?
- \*Would you rather have  $\frac{1}{3}$  or  $\frac{1}{4}$  of a pizza? Why?

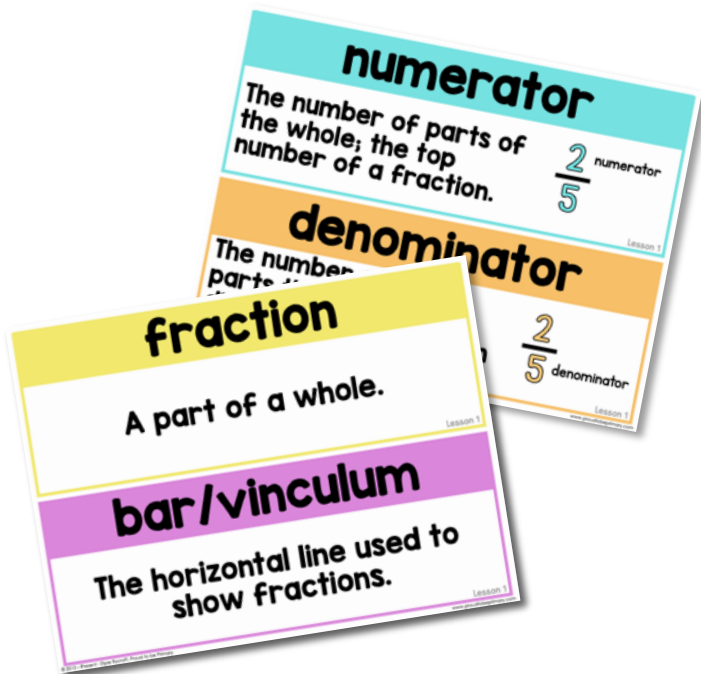


# Mindful MATH



## 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.

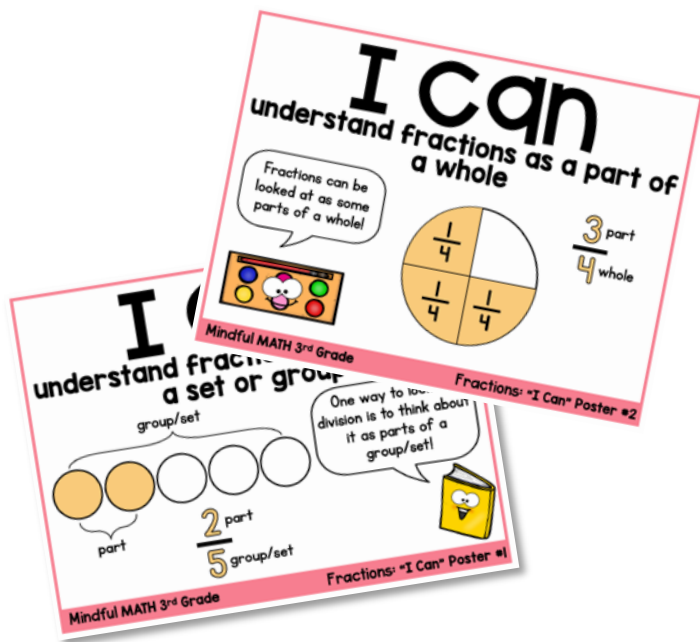


# Mindful MATH



## “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.



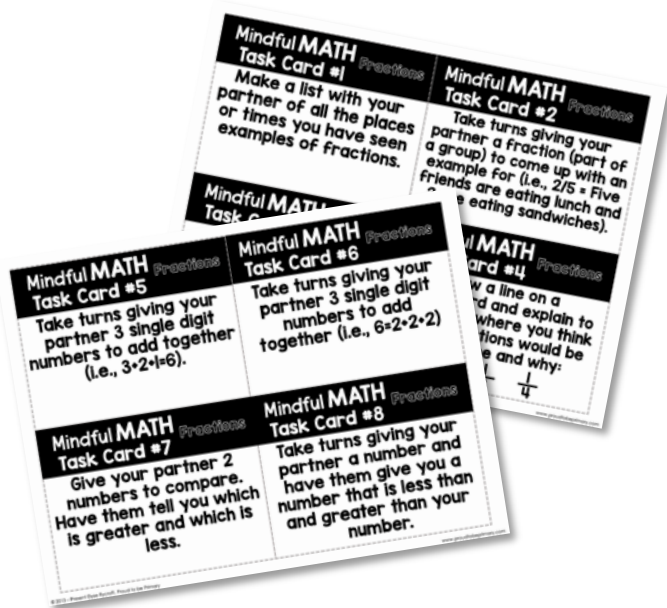


# Mindful MATH



## 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.

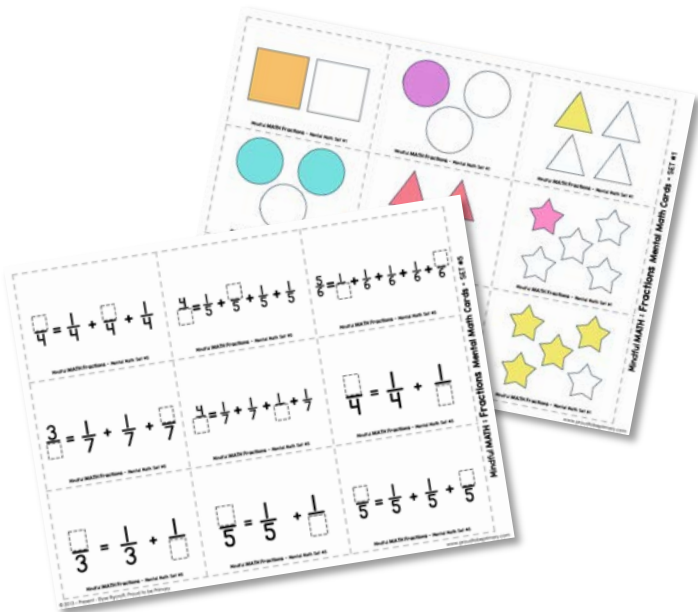


# Mindful MATH



## 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!

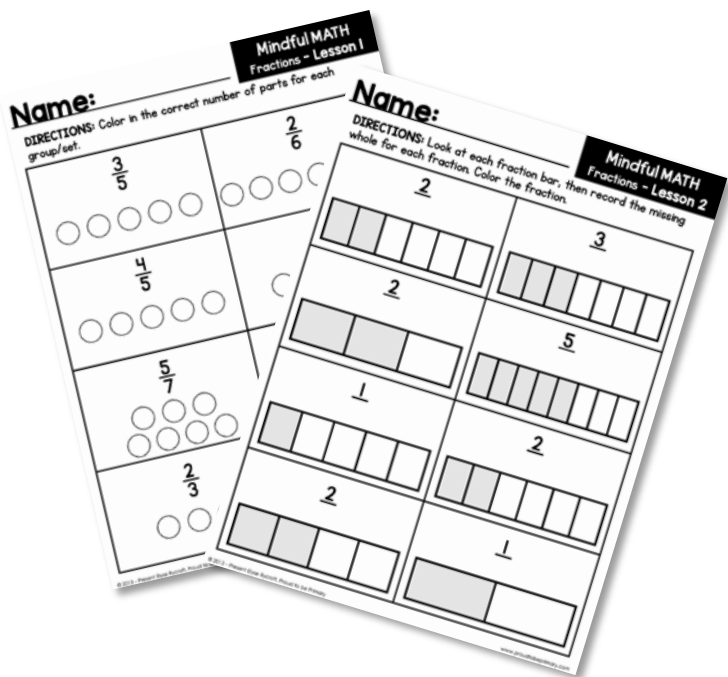


# Mindful MATH



## 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 Fractions - Instructions Card**  
**Pick and Compare - Lesson 8**

- Place a pile of the number cards face down.
- Choose two cards. If the cards chosen are less than the numerators, put them back and draw again.
- Use the numbers on the card to fill in the denominators.
- Look at the fractions and compare them.
- Fill in a  $<$  or  $>$  to show which fraction is greater and which is less.

Pick and Compare	
$\frac{5}{9}$	$\frac{2}{7}$
$\frac{1}{3}$	$\frac{3}{4}$
$\frac{6}{7}$	$\frac{7}{5}$
$\frac{2}{2}$	$\frac{1}{3}$
$\frac{8}{8}$	$\frac{4}{6}$

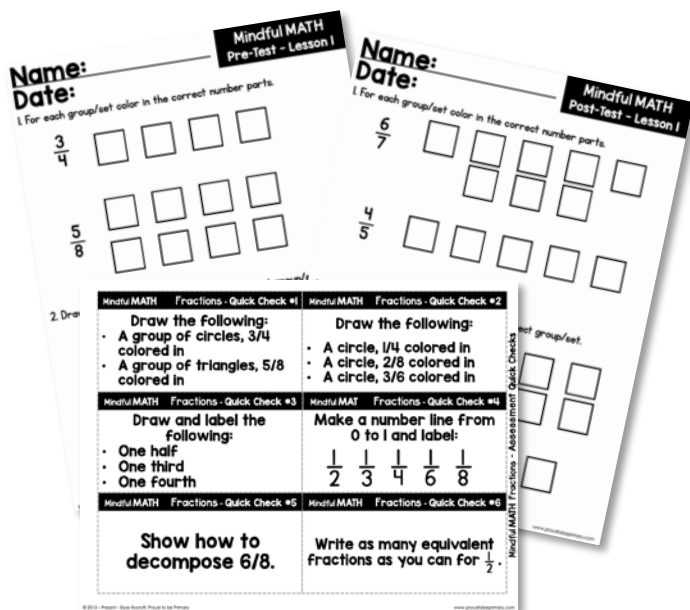


# Mindful MATH



## 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.



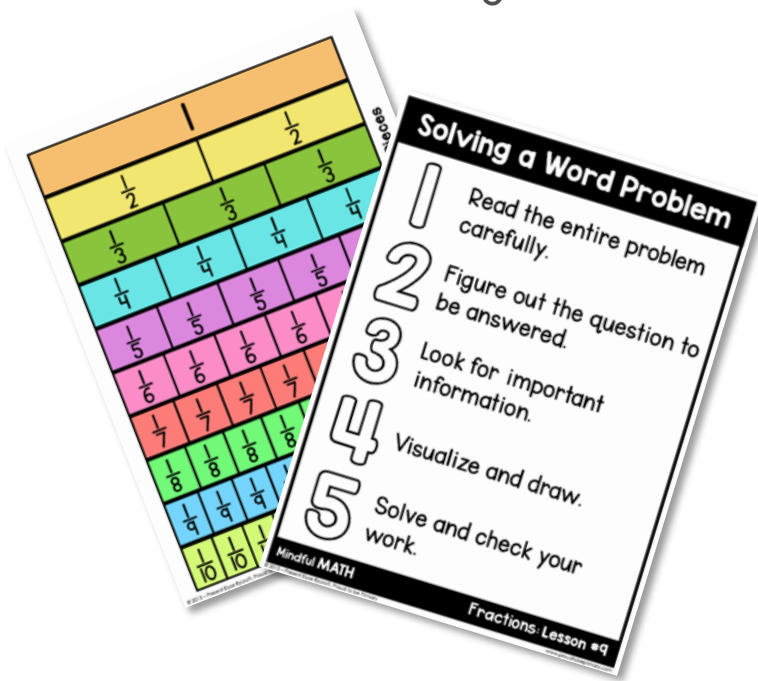


# Mindful MATH



## 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.NF.A.1
- 3.NF.A.2
- 3.NF.A.2a
- 3.NF.A.2b
- 3.NF.A.3
- 3.NF.A.3a
- 3.NF.A.3b
- 3.NF.A.3c
- 3.NF.A.3d

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!

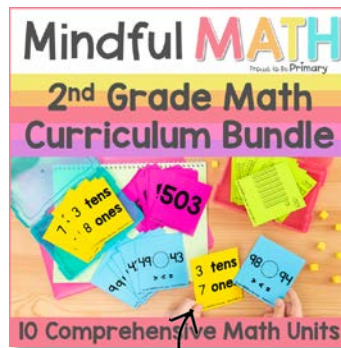
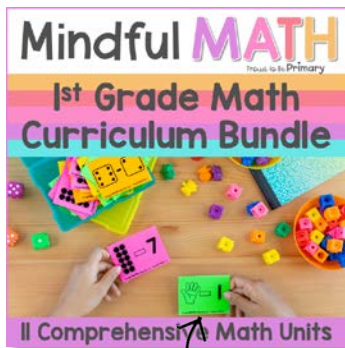


Learn How to Teach  
**MATH**  
Effectively in K-3

FREE lessons  
& activities  
With Proud to Be **Primary**



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

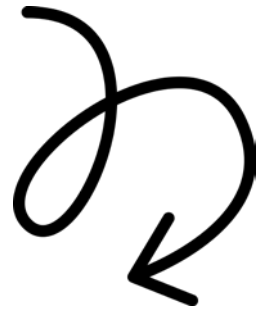


Click the images to see the Mindful Math curriculum  
**BUNDLES** with **EVERYTHING** you need for the whole year!

# 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!](#)