

Mindful MATH

Proud to Be Primary

Geometry



3rd Grade Comprehensive Math Curriculum

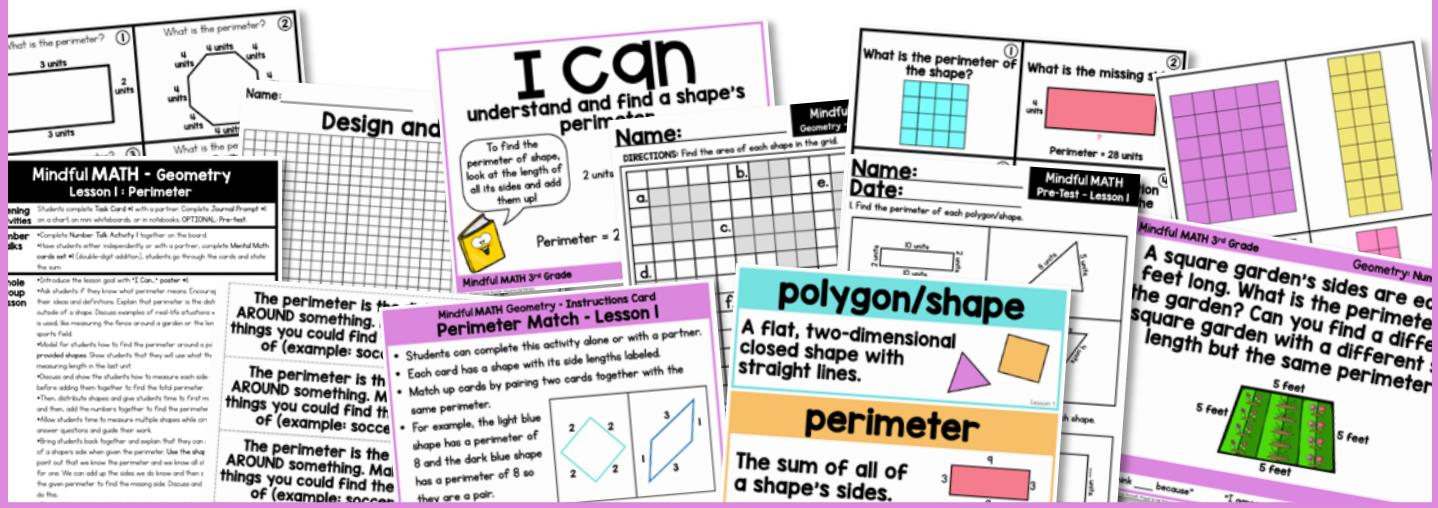
Mindful MATH



Geometry

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



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Geometry

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 & Calc

Lesson	Topic
Lesson 1	Finding Perimeter
Lesson 2	Finding Area Using a Grid
Lesson 3	Finding Area Using Multiplication
Lesson 4	Area and Perimeter Project
Lesson 5	Area and the Distributive Property
Lesson 6	Introduction of Quadrilaterals
Lesson 7	Classifying and Ordering 3D
Lesson 8	Creating and Observing 3D Shapes
Lesson 9	Measuring 3D Shapes
Lesson 10	2D and 3D Shape Review

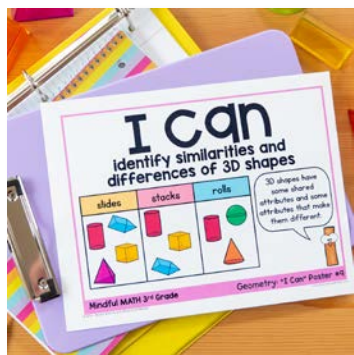
Detailed Lesson Plans

Mindful MATH - Geometry Lesson 1 Perimeter	
Opening Activities	Students complete Task Card #1 with a partner. Complete Journal Prompt #1 on student journal addressed to the author. (9/22/2020, 1st Year)
Number Talks	• Complete Number Talk Activity 1 together on the board. • Have students either independently or with a partner, complete Mindful Math task card #1 (6th-grade digit student) students go through the cards and state the sum.
Whole Group Lesson	• Exit Review the lesson goal with "I Can" poster #1. • Exit Students if they know what perimeter means. Encourage them to draw their class and label the perimeter. Explain that perimeter is the distance around the outside of a shape. Discuss examples of real-life situations where a perimeter is used like measuring the fence around a garden or the length around a sports field. • Model For students how to find the perimeter around a polygon. Use the provided shapes. Show students how they will use what they learned about measuring length in the last unit. • Discuss and show the students how to measure each side of the polygon before adding them together to find the total perimeter. • Discuss distribute shapes and give students time to first measure each side and then add the numbers together to find the perimeter. • Have students time to measure multiple shapes while circulating the room to answer questions and guide their work. • Have students look together and explain that they can also find the length of a shape's side when given the perimeter. Use the shapes provided and point out that you can know the perimeter and so know all of the sides except for one. We can add up the sides we do know and then subtract that from the given perimeter to find the missing side. Discuss and show students how to do this. • Have each shape to the students and give them time to work with finding a missing side length when given the perimeter. • Have each shape to the students and give them time to work with finding a missing side length when given the perimeter.
Independent Practice	Students complete the provided practice pages provided (3 page options for lesson #1) by following the directions on top of each page.

Vocabulary Posters



"I Can" Posters



Task Cards



Mental Math Cards



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Geometry

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

- ♥ perimeter
- ♥ finding area on a grid
- ♥ finding area with multiplication
- ♥ area using the distributive property
- ♥ quadrilaterals and their attributes
- ♥ 3D shapes 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)!



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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 - Geometry	
Lesson 9 : Comparing 3D Shapes	
Opening Activities	Students complete Task Card #9 with a partner. Complete Journal Prompt #9 on a chart, on mini whiteboards, or in notebooks. OPTIONAL: Pre-test.
Number Talks	<ul style="list-style-type: none">•Complete Number Talk Activity 9 together on a whiteboard.•Have students either independently or with a partner complete Mental Math cards set #7 (various 3D shapes). Students go to the cards and describe an attribute of the shape.
Whole Group Lesson	<ul style="list-style-type: none">•Introduce the lesson goal with a journal prompt #9.•If students have not yet created 3D shape nets (included in lesson 8) take time to do that first.•Quickly review the 3D shapes they have been learning about (cube, prism, pyramid, cylinder, sphere, and cone).•Have students put the cube and pyramid in front of them. Review the shape's attributes either orally by referring to the note sheet/poster (from lesson 7).•Ask what similarities they notice between the two and prompt them to think about the differences. Record observations.•Repeat this by introducing various other 3D shapes (cube vs pyramid, pyramid vs triangular prism, cylinder, etc.).
Independent Practice	Students complete the available practice pages provided (3 page options for lesson 9) following the directions on top of each page.
Hands-On Activities	<p>CENTERS: Sort and Swap Students work with a partner. Each student has their own set of 20 shape cards. Students choose a 'Sort It!' card and look at the card secretly. They sort shapes according to the card while their partner does the same. They then switch spots and guess their partners sorting categories.</p> <p>GAME: Shape Snap Students play with a partner or small group. The 3D shape cards are evenly distributed to the players. Each round, flip over a SNAP card to show a shape or attribute. Students take turns flipping over one of their cards. When the correct card is laid down, students try to snap up the card. The student who gets the card keeps the pile. The last student with cards wins.</p>

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.

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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.

*What does perimeter measure?

*How would you explain perimeter to someone who doesn't know about it?

*Can two polygons have the same perimeter but look different?

Lesson 1

Mindful MATH Geometry - Whole Group Discussion Questions

*What are some examples of when you might need to find a shape's area?

*Would area be helpful in planning a vegetable garden? How?

*Can you think of times when you'd want something to have a large area (ex - a new room) or a small area (ex - a lawn to mow)?

Lesson 2

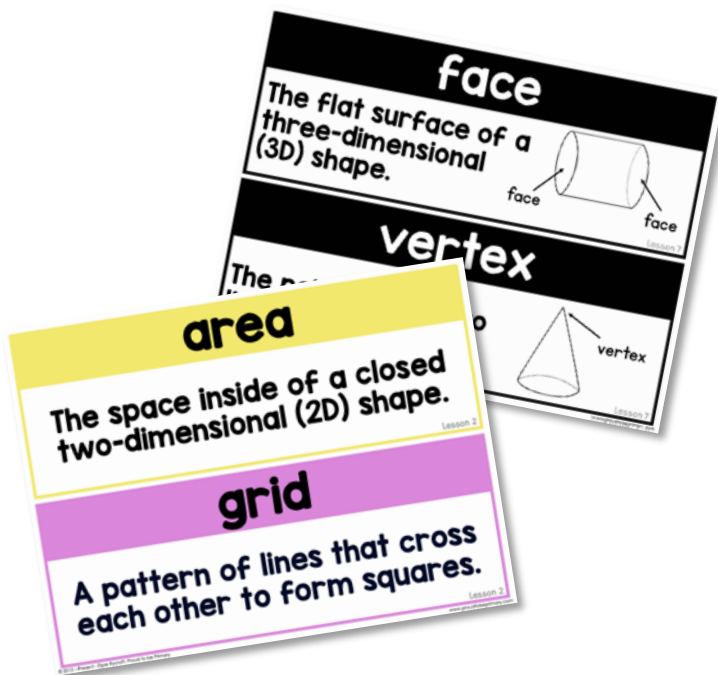
Mindful MATH Geometry - Whole Group Discussion Questions

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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.



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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 3rd Grade
Geometry : Number Talk #6
David's bookshelf is 8 feet tall and has an area of 32 square feet. What is the perimeter of the shelf?
8 feet
Area = 32 feet²
Perimeter = _____
"I think _____ because"
"I agree with _____"
"I disagree. I think _____"

Mindful MATH 3rd Grade
A square garden is 5 feet long. Why is the perimeter of the garden? Can you draw a square garden with a different side length but the same perimeter?
5 feet
5 feet
5 feet
5 feet
"I think _____ because"
"I agree with _____"
"I disagree. I think _____"

Mindful MATH 3rd Grade
Geometry : Number Talk #2
Alex drew a rectangle that was 6 units long on one side and 4 units long on the other. Jeremy drew one that was 12 units long on one side and 2 units long on the other. What shape is "big"?
"To start"
"My first step was _____"
"I think _____"
"I liked _____'s idea because"

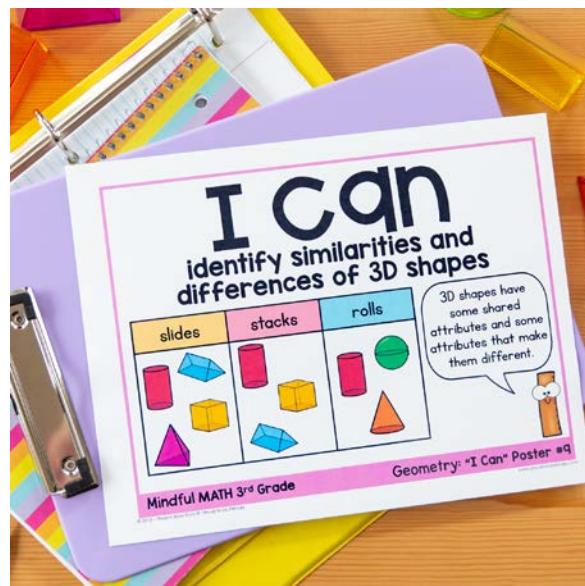
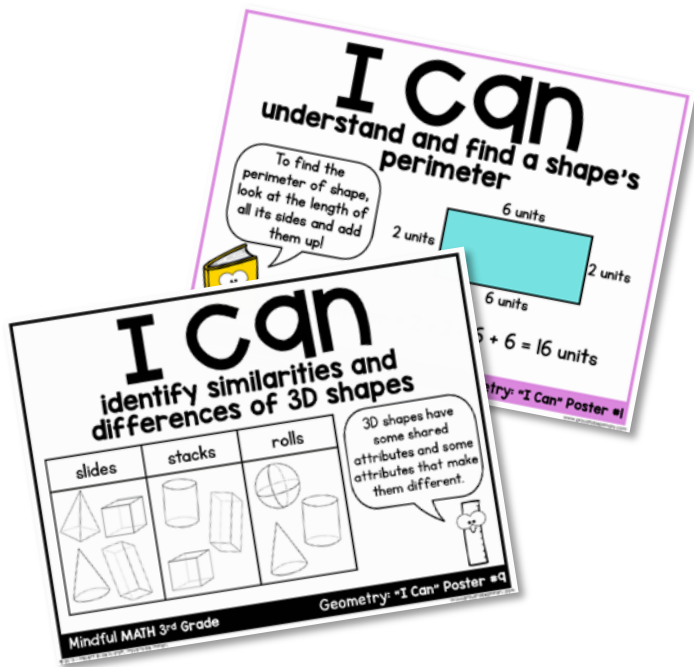
Mindful MATH 3rd Grade
Geometry : Number Talk #4
If you had to rank all of the 3D shapes based on which can roll, slide, and stack the best which shape would get first place? Which shape would be in last place?
A sphere could roll well but doesn't slide.
A cube could stack but not roll.
"My first step was _____"
"I think _____"
"I liked _____'s idea because"

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“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.

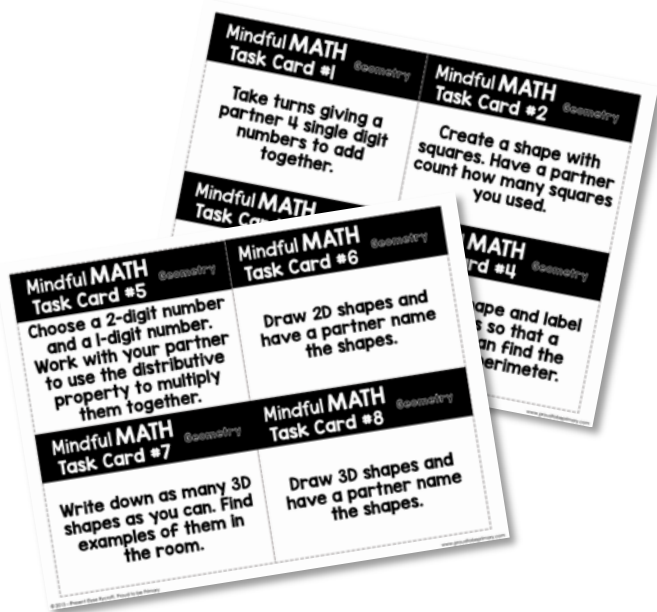


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Warm-Up Task Cards

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.

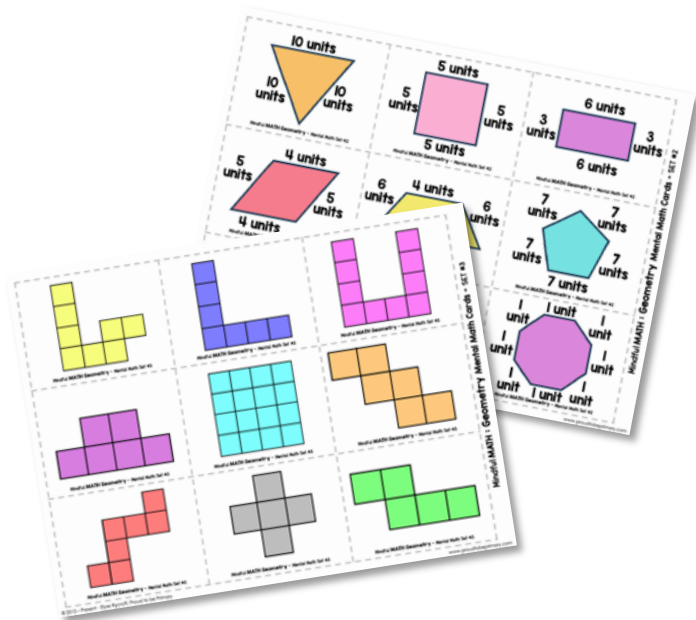


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Mental Math Flashcards

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!

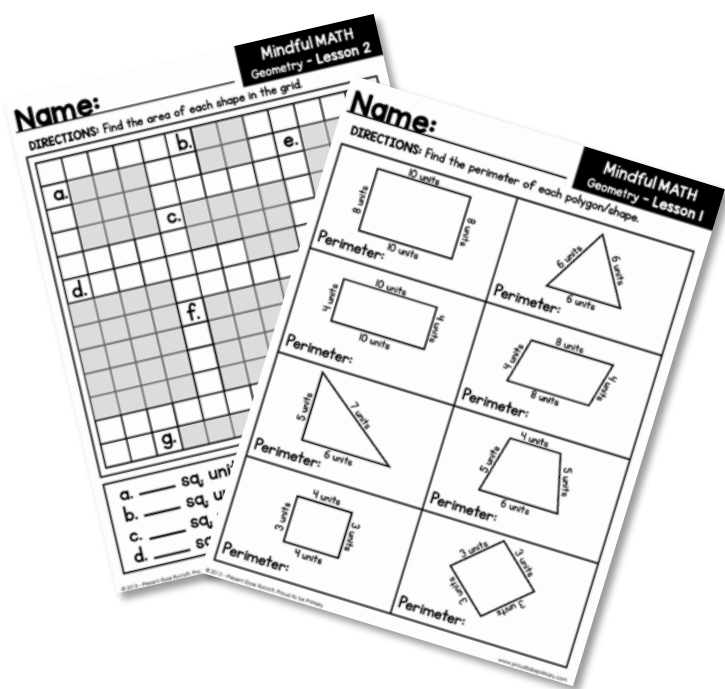


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Practice Worksheets

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.



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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!

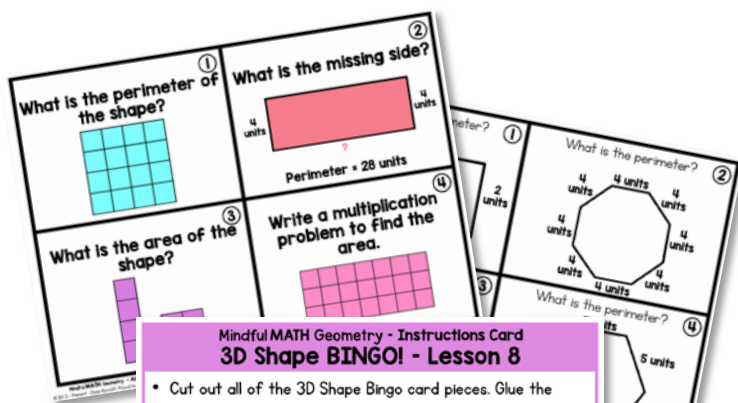


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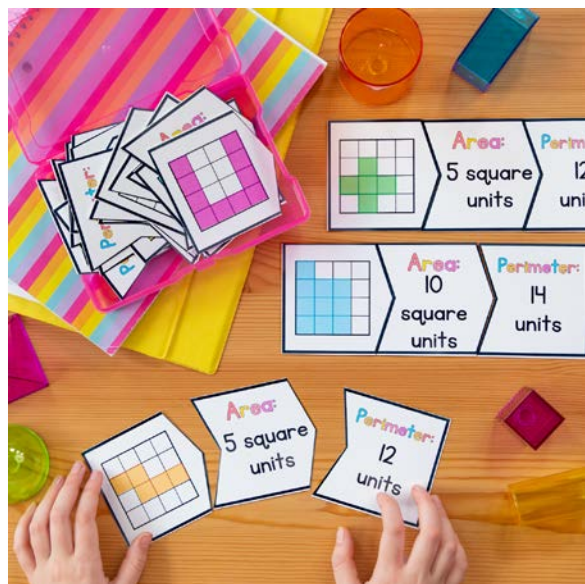
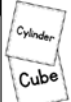
Math Centers & Games

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 Geometry - Instructions Card 3D Shape BINGO! - Lesson 8

- Cut out all of the 3D Shape Bingo card pieces. Glue the pieces in any order onto the 3D Shape BINGO board.
- As the shapes are called out, find a picture of something that is that shape.
- Cover it.
- Once a board has a row, column, or diagonal of 5 filled in, yell out "BINGO!" to win.

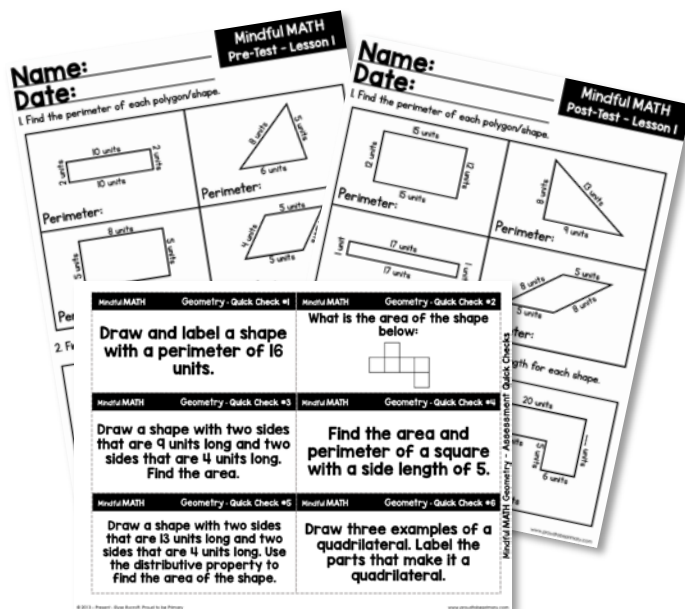


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3 Types of Assessments

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.

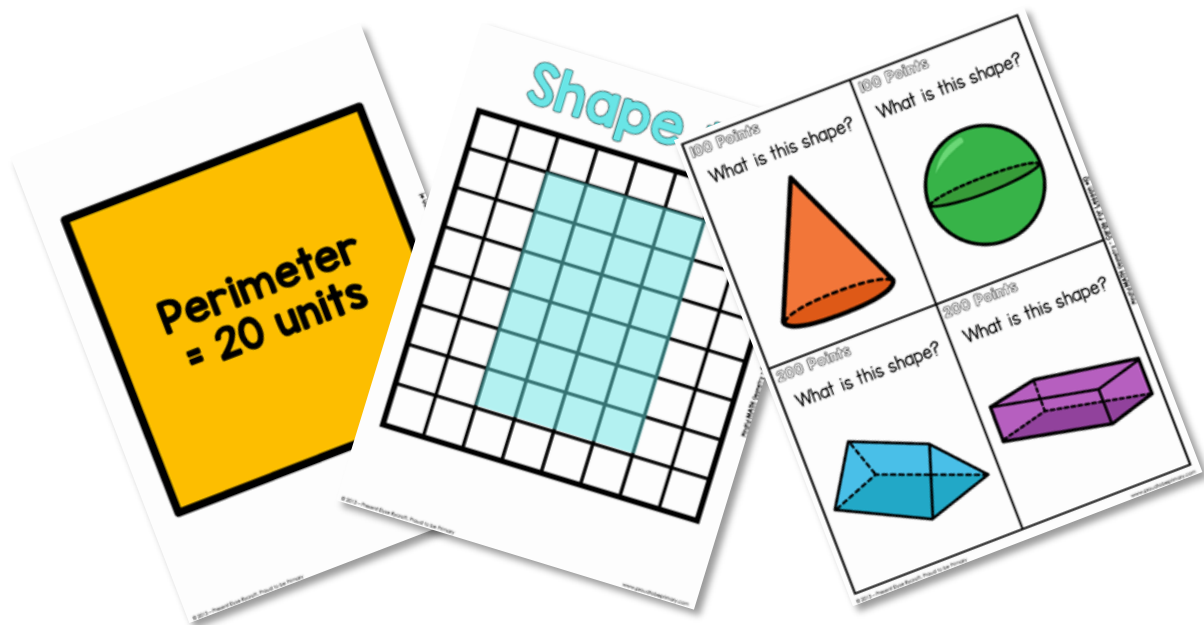


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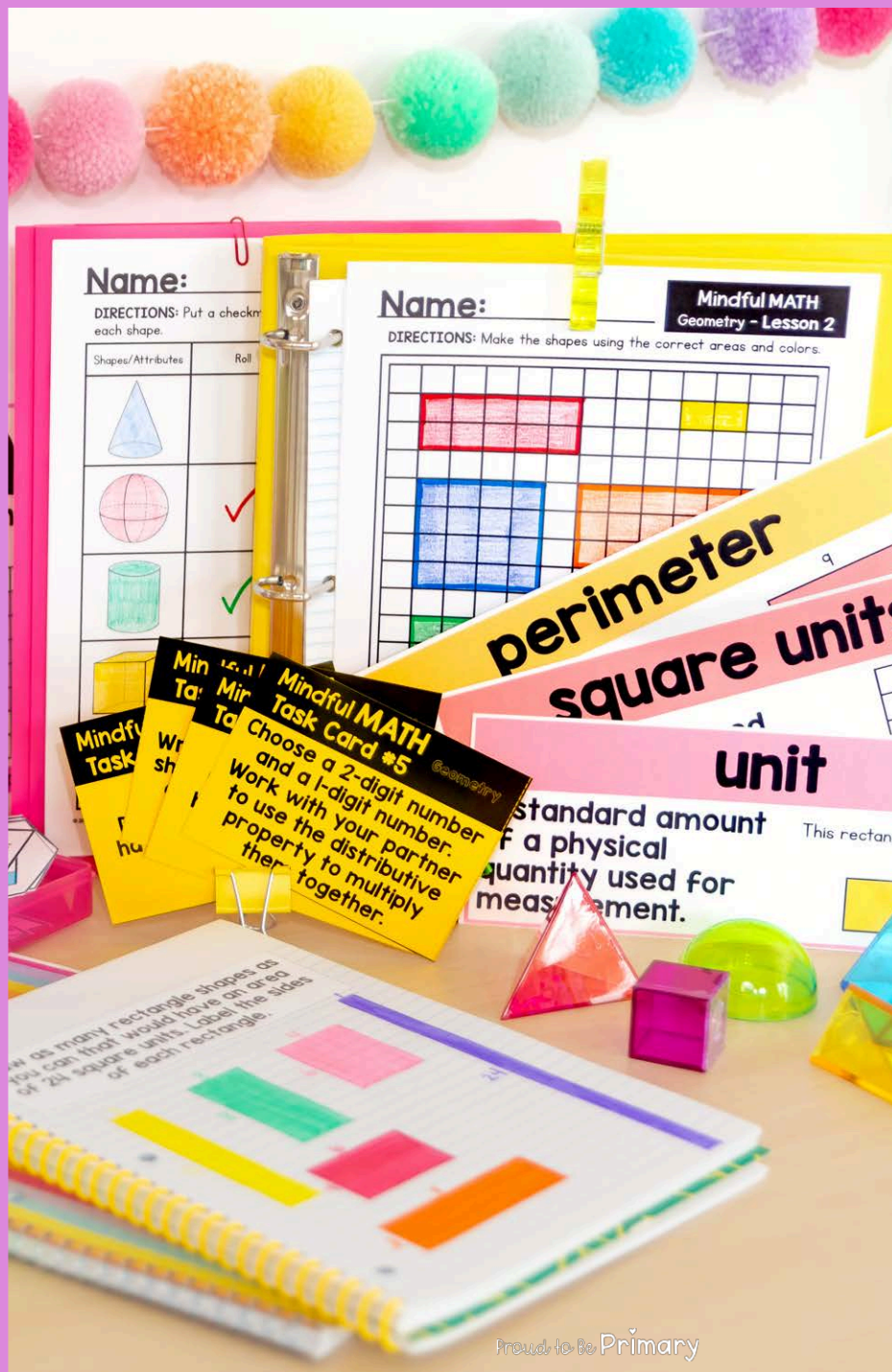
Lesson Materials

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.MD.C.5a
- 3.MD.C.5b
- 3.MD.C.6
- 3.MD.C.7a
- 3.MD.C.7b
- 3.MD.C.7c
- 3.MD.C.7d
- 3.MD.D.8
- 3.GA.1
- 3.GA.2

This unit aligns to Third Grade Common Core standards for geometry and measurement 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**

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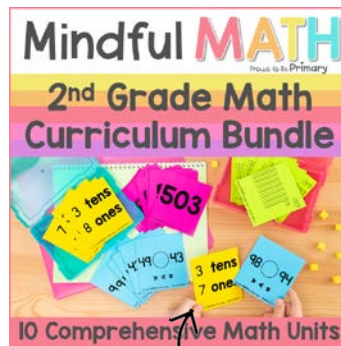


Learn How to Teach
MATH
Effectively in K-3

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



Mindful **MATH** Curriculum for K-3

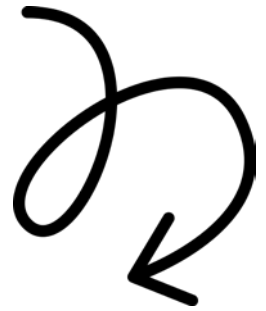


Click the images to see the Mindful Math curriculum
BUNDLES with **EVERYTHING** you need for the whole year!

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

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FREE SAMPLE!**](#)