

Mindful MATH

Proud to Be Primary

Geometry & Fractions



1st Grade Comprehensive Math Curriculum

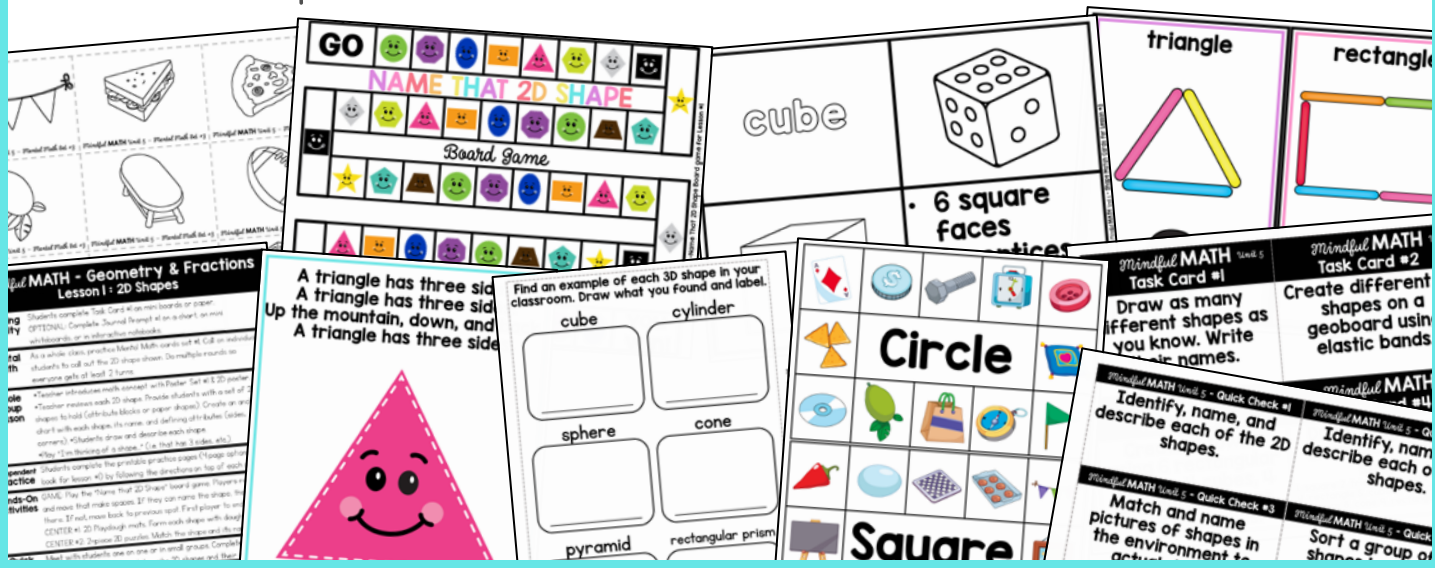
Mindful MATH



Geometry & Fractions

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
- ♥ Two assessments: Quick Check task cards & post-tests



Mindful MATH

Geometry & Fractions



What's included in this 350-page unit:

Detailed Lesson Plans

Mindful MATH - Geometry & Fractions Lesson 1: 2D Shapes	
Opening Activity	Students complete Task Card #1 on mini boards or paper. (9/12/2016) Complete Journal Prompt #1 on a sheet of lined notebook paper or on individual notebook.
Mental Math	In a whole class practice, Mindful Math cards set #1 CD on individual students to roll out the 2D shapes shown. Do multiple rounds to maximize individual work time.
Whole Group Lesson	<ul style="list-style-type: none"> Teacher introduces math concept with Task Card #1 (2D shape). Teacher reviews each 2D shape (provide students with a set of 2D shapes to hold (soft foam blocks or paper shapes). Create an anchor sheet with each shape, its name, and defining attributes (sides, corners). Students draw and describe each shape. Play "I See Thinking of a Shape" (i.e. Roll that 3 sides etc.).
Independent Practice	Students complete the printable on their page (change options if necessary for lesson #1) for following the directions on "Roll and Label".
Hands-On Activities	<ul style="list-style-type: none"> GAME: Play the "Name That 2D Shape" board game. Players roll die and move that many spaces. If they can name the shape, they stay there. If not, they move back to previous spot. End game on final card. CENTER #1: 2D Shape/label mats. Form each shape with dough. CENTER #2: 2 game (2D shape) cards. Match the shape and its name. Trace.
Quick Checks	Meet with students one on one or in small groups. Complete "Quick Check #1" (1 on ability and describe 2D shapes and their attributes).
Lesson Goal	Identify 2D shapes and describe their attributes.
Questions	What is this shape? What does it look like? What are its attributes?
Vocabulary	2-dimensional, flat, corners, sides, round, 2D shapes, hands-on.
Literature	See "Literature" on the lesson plan.
Lesson Materials	Task Card #1, Journal Prompt #1, Board game #1 & #2, Board game #3 & #4, "I See Thinking of a Shape" Task Card #1, "Quick Check #1" Mat, Shape #1 & #2 markers, #1 & #2 Shape/label paper, #1 shape.

Booklists

Mindful MATH Unit 5: Book List		
LESSON 1 On, Shapes, Got! by Denise Fleming	LESSON 2 When a Line Bends a Shape Shapes, Shapes, Shapes by Tino Hoban	LESSON 3 Shapes, Shapes, Shapes by Tino Hoban
LESSON 4 Shapes That Roll by Karen Nagel	LESSON 5 The Shape of Things by Doyle Ann Dodds	LESSON 6 Up, Down, and Around by Katherine Ayres
LESSON 7 Seeing Symmetry by Loren Leedy	LESSON 8 Jump, Kangaroo, Jump by Stuart J. Murphy	LESSON 9 One Me Half! by Stuart J. Murphy

Posters & Materials



Task Cards



Math Journals



Mental Math Cards



Mindful MATH



Geometry & Fractions

What's included in this 350-page unit:

Worksheets



Games



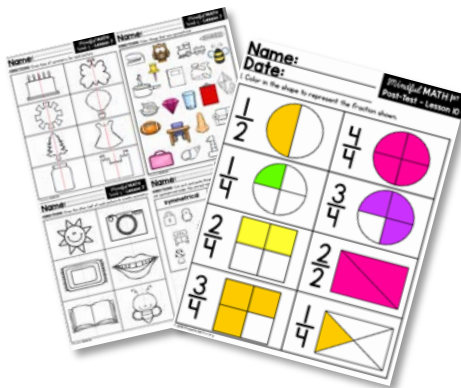
Hands-On Activities



Assessments



Answer Keys

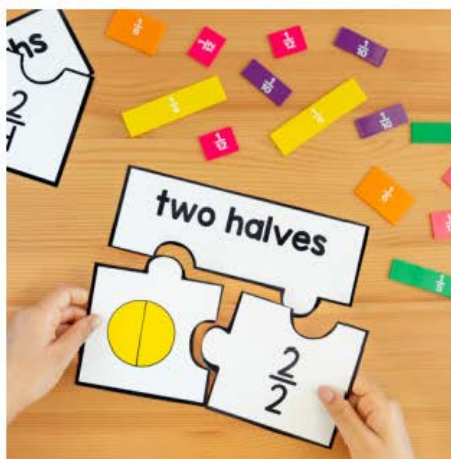


Centers



This Mindful MATH unit covers

- ♥ Identify, name, & describe 2D shapes
- ♥ Identify, name, & describe 3D shapes
- ♥ Compare & sort shapes based on attributes
- ♥ Compose & decompose shapes
- ♥ Relative position
- ♥ Symmetry
- ♥ Halves, fourths, quarters, wholes
- ♥ Equal & unequal parts
- ♥ Identifying & writing fractions
- ♥ Partitioning



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 First Grade students need to learn before Second 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



Katie Ann N.



I began using mindful math with my students this year and I love the layout of the units and the variety of activities included to keep math exciting and fun for the students.

Our math units are enjoyed in thousands of classrooms worldwide!



Score:

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.

<i>Mindful</i> MATH - Geometry & Fractions	
Lesson 1 : 2D Shapes	
Opening Activity	Students complete Task Card #1 on mini boards or paper. OPTIONAL: Complete Journal Prompt #1 on a chart, on mini whiteboards, or in interactive notebooks.
Mental Math	As a whole class, practice Mental Math cards set #1. Call on individual students to call out the 2D shape shown. Multiple rounds so everyone gets at least 2 turns.
Whole Group Lesson	*Teacher introduces math concept with poster set #1 2D poster. *Teacher reviews each 2D shape Prompt #1 with a set of 2D shapes to hold (attribute blocks or poster shapes). Create an anchor chart with each shape, its name, and defining attributes (sides, corners). *Students draw and define each shape. *Play "I'm thinking of a shape..." (e.g., "I'm thinking of a shape with 3 sides, etc.).
Independent Practice	Students complete the printable practice pages (4 page options & mini book for lesson #1) by following the directions on top of each page.
Hands-On Activities	GAME: Play the "Name that Shape" board game. Players roll 1 die and move that many spaces. When they can name the shape, they stay there. If not, move back to previous spot. First player to end wins! CENTER #1: 3 playdough balls. Form each shape with dough. CENTER #2: 2-piece puzzles. Match the shape and its name. Trace.
Quick Checks	Meet with students on one-on-one or in small groups. Complete Quick Check #1 (I can identify and describe 2D shapes and their attributes.)
Lesson Goal	Identify, name, and describe 2D shapes and their attributes.
Vocabulary	2-dimensional, flat, corners, sides, round, 2D shapes: circle, etc.
Lesson Materials	Task Card #1 Journal Prompt #1 Mental Math set #1 Poster Set #1 Chart & pens Mini boards & markers Attribute blocks/paper shapes Practice pages Board game & die Playdough & mats Puzzles Quick Check #1

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.

Two assessment options included.

Helpful literature connection.

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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 using math manipulatives. Simply provide the prompt or task cards to get started!



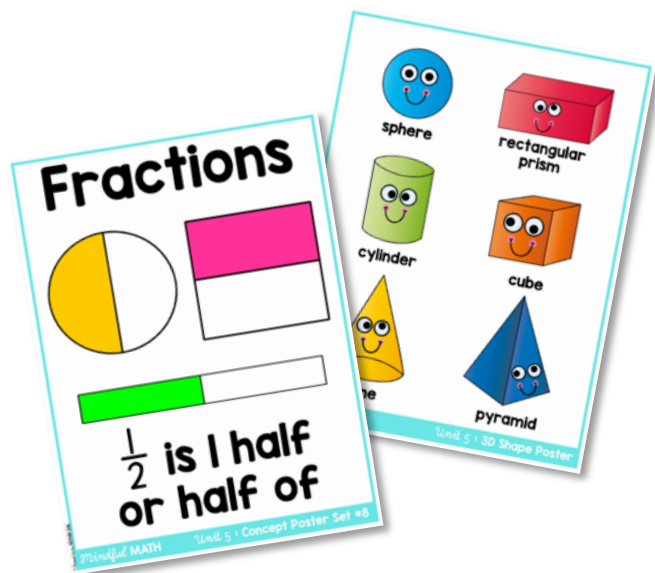
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Concept Posters

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.



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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!

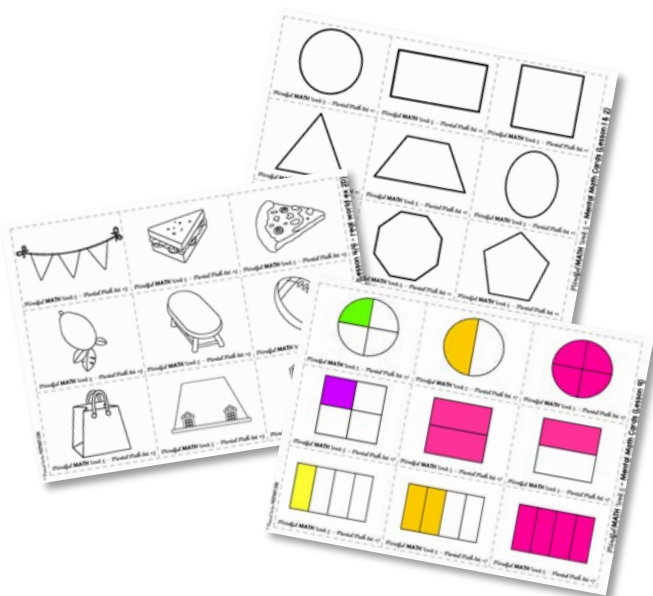


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Mental Math Flashcards

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!

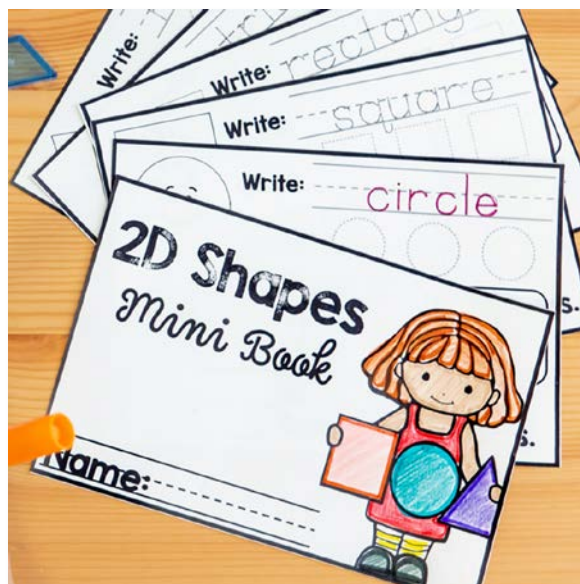
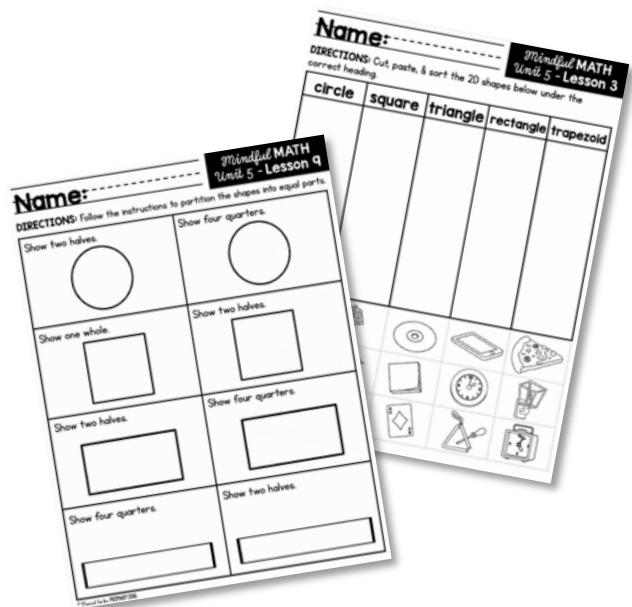


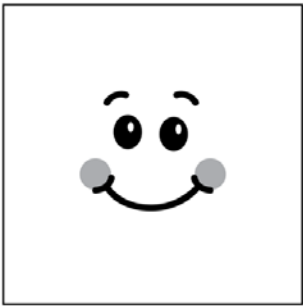
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Practice Worksheets

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.





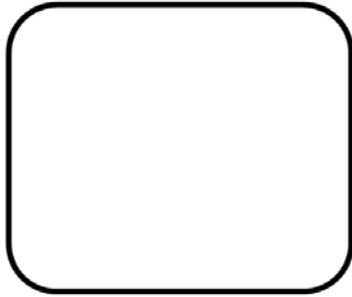
Write:

square

Trace:

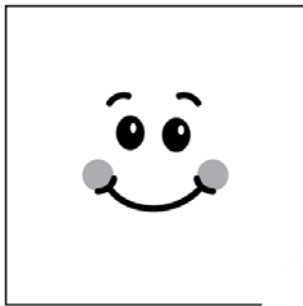


Draw:



A _____ has _____ corners.

A _____ has _____ equal sides.



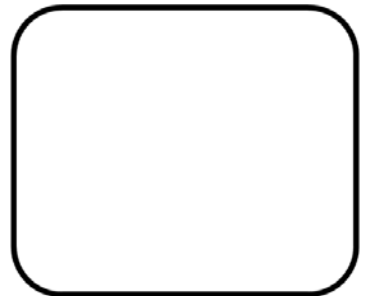
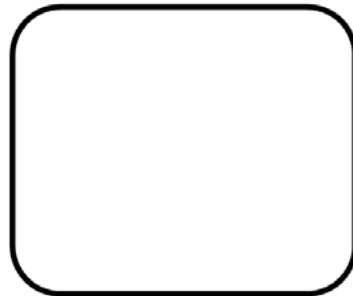
Write:

square

Trace:



Draw:



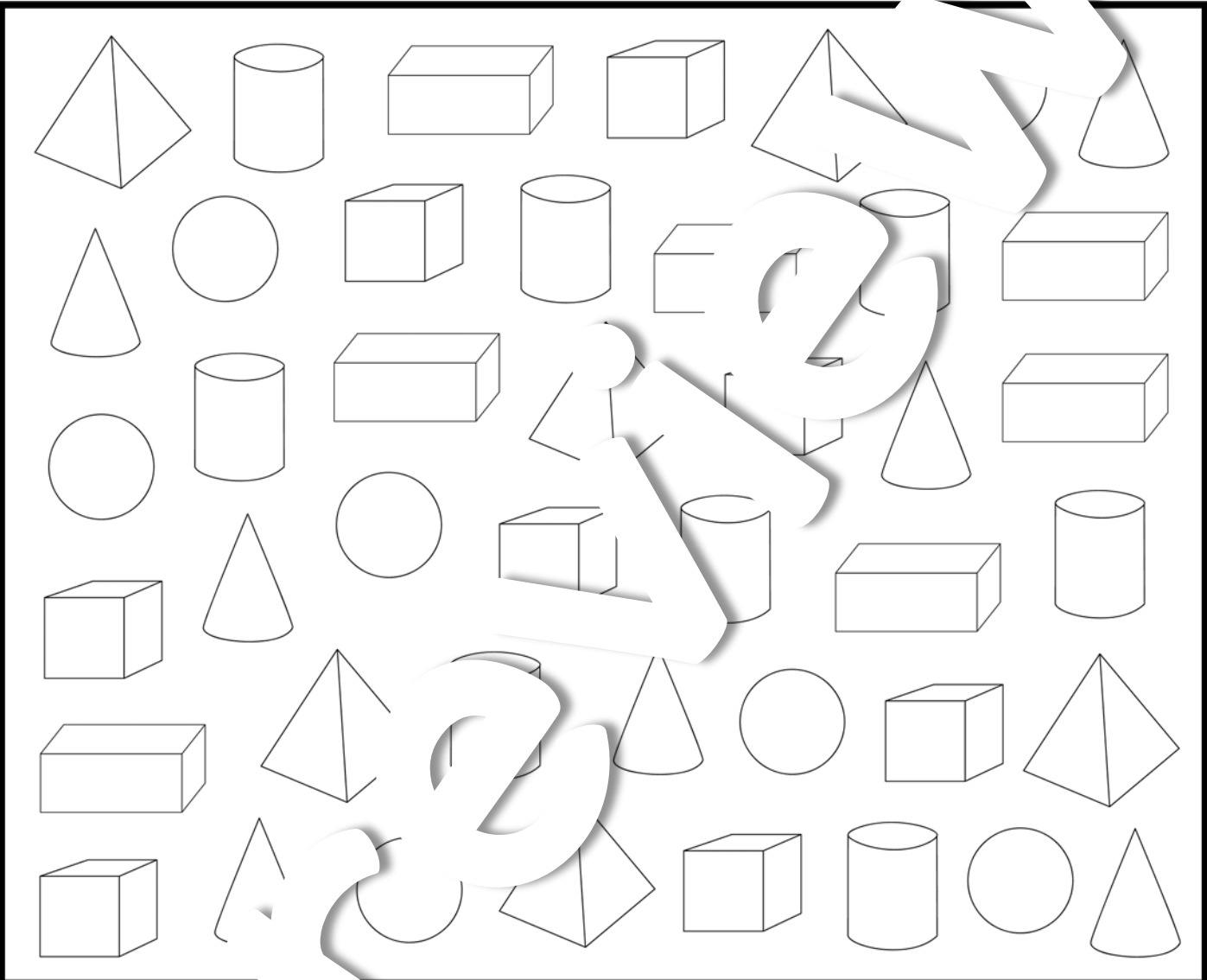
A _____ has _____ corners.

A _____ has _____ equal sides.

Name: _____

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Unit 5 - Lesson 2

DIRECTIONS: Color each shape a different color and count them.
Record how many of each shape.



cube: _____ rectangular prism: _____

cylinder: _____

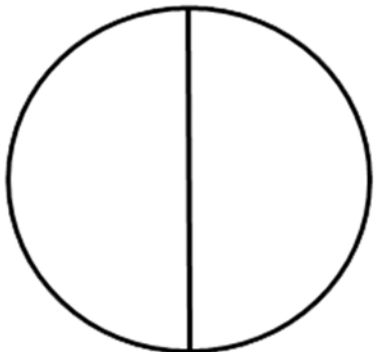
pyramid: _____ sphere: _____

Name: _____

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Unit 5 - Lesson 10

DIRECTIONS: Color in the shape to represent the fraction shown.

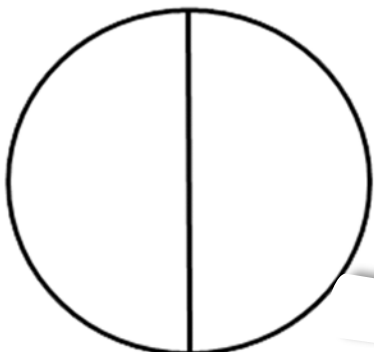
$\frac{1}{2}$



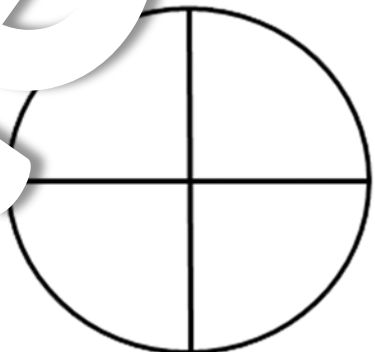
$\frac{1}{4}$



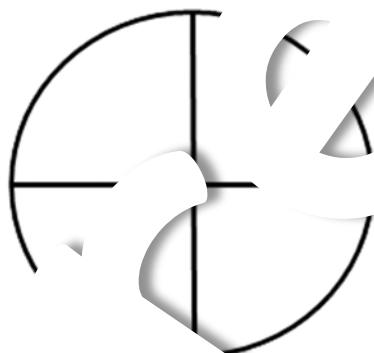
$\frac{2}{2}$



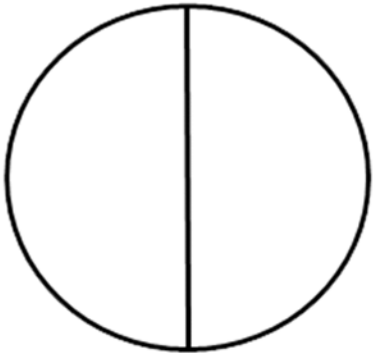
$\frac{4}{4}$



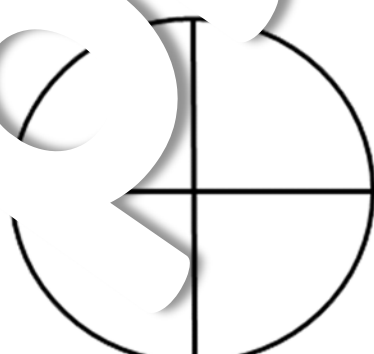
$\frac{1}{4}$



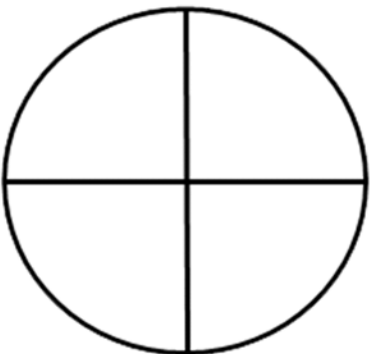
$\frac{1}{2}$



$\frac{3}{4}$



$\frac{4}{4}$

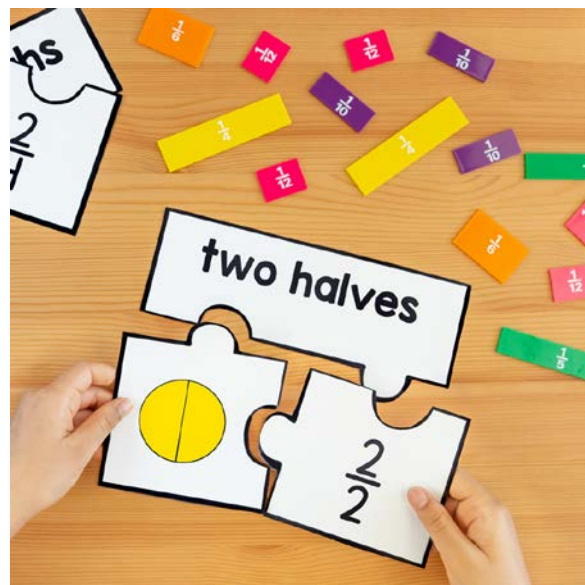
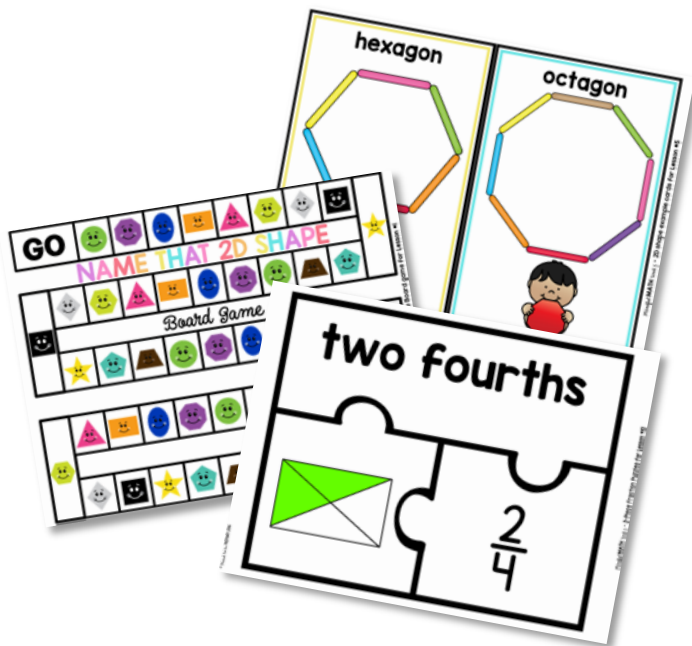


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Math Centers & Games

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. You will have the materials and instructions to implement the activities quickly and easily!

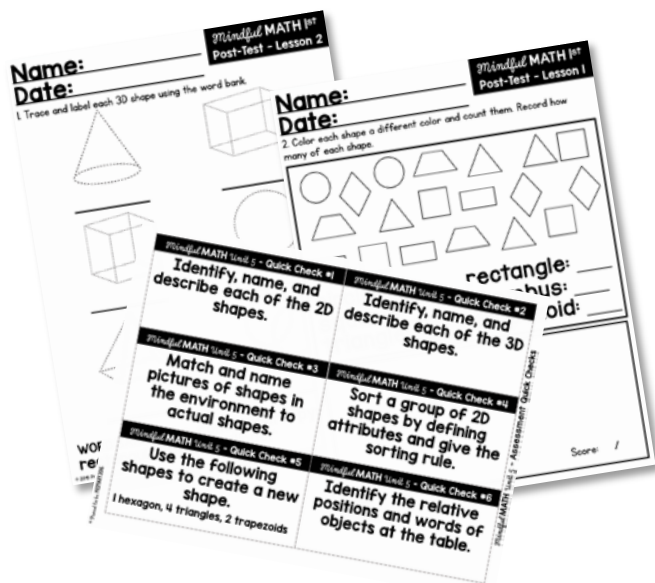


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Math Assessments

There are two assessments included for every lesson: A 2-page post-test, as well as a Quick Check assessment task card. The post-test help provide you with data about how your students are doing 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

Ashley J.



This is the third Mindful Math unit I have bought, and I love them all! My students find it much more engaging than the math curriculum that I was using previously. I love the consistency in how the lessons are laid out and how easy they are to follow. My students love the variety in the activities. I teach in BC, so I also love how the lessons align with our curriculum. Thank you so much for making these units, I plan on eventually buying all of them!

Our math units are enjoyed in thousands of classrooms worldwide!

2D Shapes
Mini Book

Name: _____



Mindful MATH

aligns to the
standards

- K.G.A.2
- K.G.A.3
- K.G.B.4
- K.G.B.5
- K.G.B.6
- I.OA.A.2
- I.G.A.1
- I.G.A.2
- I.G.A.3

This unit aligns to kindergarten (use as review) and first grade Common Core standards and other state and Canadian standards.

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



Mindful MATH - Geometry & Fractions

Overview

Correlated to the United States Common Core Standards for First Grade

Lesson 1	Identify, name, and describe 2D shapes.	K.G.A.2 K.G.A.3 I.G.A.1
Lesson 2	Identify, name, and describe 3D shapes.	K.G.A.2 K.G.A.3 I.G.A.1
Lesson 3	Identify, describe, and compare 2D & 3D shapes in the environment.	K.G.A.1 I.G.A.1
Lesson 4	Analyze, compare, & sort 2D & 3D shapes based on attributes.	K.G.B.4 I.G.A.1
Lesson 5	Compose and decompose 2D & 3D shapes & replicate composite shapes.	K.G.B.5 K.G.B.6 I.G.A.1 I.G.A.2
Lesson 6	Describe relative positions of objects using positional language.	K.G.A.1
Lesson 7	Locate and describe objects that have symmetry.	I.OA.A.2
Lesson 8	Halves, fourths, quarters, wholes. Equal & unequal parts	I.G.A.3
Lesson 9	Partition whole objects into equal parts and describe.	I.G.A.3
Lesson 10	Identifying & writing basic fractions.	I.G.A.3

Mindful MATH - Geometry & Fractions

Overview

Correlated to British Columbia, Canada's BIG Ideas for Grade 1

Lesson 1	Identify, name, and describe 2D shapes.	Objects and shapes have attributes that can be described and compared.
Lesson 2	Identify, name, and describe 3D shapes.	Objects and shapes have attributes that can be described and compared.
Lesson 3	Identify, describe, and compare 2D & 3D shapes in the environment.	Comparing 2D shapes and 3D objects in the environment.
Lesson 4	Analyze, compare, & sort 2D & 3D shapes based on attributes.	Sorting 3D objects and 2D shapes using one attribute, and explaining the sorting rule
Lesson 5	Compose and decompose 2D & 3D shapes & replicate composite shapes.	Replicating composite 2D shapes and 3D objects.
Lesson 6	Describe relative positions of objects using positional language.	Describing relative positions, using positional language.
Lesson 7	Locate and describe objects that have symmetry.	
Lesson 8	Halves, fourths, quarters, wholes. Equal & unequal parts	
Lesson 9	Partition whole objects into equal parts and describe.	
Lesson 10	Identifying & writing basic fractions.	

Mindful MATH - Geometry & Fractions

Overview

Correlated to the NEW Ontario, Canada's Grade 1 Math Curriculum

Lesson 1	Identify, name, and describe 2D shapes.	E1.1 sort 3D objects and 2D shapes according to one attribute at a time, and identify the sorting rule being used
Lesson 2	Identify, name, and describe 3D shapes.	E1.1 sort 3D objects and 2D shapes according to one attribute at a time, and identify the sorting rule being used
Lesson 3	Identify, describe, and compare 2D & 3D shapes in the environment.	Not in new curriculum
Lesson 4	Analyze, compare, & sort 2D & 3D shapes based on attributes.	E1.1 sort 3D objects and 2D shapes according to one attribute at a time, and identify the sorting rule being used
Lesson 5	Compose and decompose 2D & 3D shapes & replicate composite shapes.	E1.2 construct three-dimensional objects, and identify two-dimensional shapes contained within structures and objects
Lesson 6	Describe relative positions of objects using positional language.	E1.4 describe the relative locations of objects or people, using positional language
Lesson 7	Locate and describe objects that have symmetry.	E1.3 construct and describe two-dimensional shapes and three-dimensional objects that have matching halves
Lesson 8	Halves, fourths, quarters, wholes. Equal & unequal parts	BI.6 use drawings to represent and solve fair-share problems that involve 2 and 4 sharers
Lesson 9	Partition whole objects into equal parts and describe.	BI.7 recognize that one half and two fourths of the same whole are equal, in fair-sharing contexts (equivalent fractions)
Lesson 10	Identifying & writing basic fractions.	Not in curriculum

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Mindful **MATH** Curriculum for K-2



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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.

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