

Mindful MATH

Proud to Be Primary

Patterning



Kindergarten Comprehensive Math Curriculum

Mindful MATH



Patterning

What is Included in this Comprehensive Unit:

- ♥ A month's worth of instruction
- ♥ Standard-based lessons
- ♥ 8 detailed lesson plans
- ♥ Differentiated practice worksheets
- ♥ Warm-up task cards
- ♥ Mental Math flash cards
- ♥ Math journal prompts
- ♥ Math games
- ♥ Math centers
- ♥ Summative Assessment: Quick Check task cards



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Patterning

What's included in this 150+ page unit:

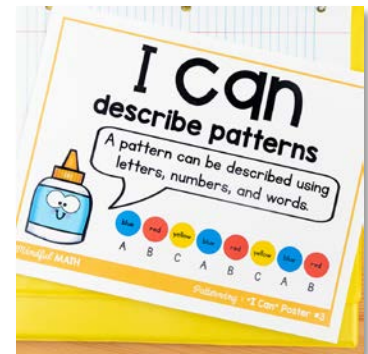
Detailed Lesson Plans

Booklists

Posters & Materials

| Mindful MATH - Patterning | | |
|--|--|--|
| Lesson 1: What is a Pattern? | | |
| Opening Activity | Students complete Task Card #1 using pattern blocks. | |
| Mental Math | As a whole class, show the AB pattern on pattern blocks. Ask students to describe the pattern. | |
| Whole Group Lesson | <ul style="list-style-type: none"> *Teacher introduces lesson goal with "I Can" poster #1. *Create an anchor chart with the title "Patterning". Explain what a pattern is and write a definition (A pattern is a repeating sequence). Explain that there are many types of patterns (shapes, numbers, letters, words, etc.). Draw an example for each on the chart. *Draw a few simple patterns on the chart and ask what they notice about the pattern. Explain the patterns and label with letters. *Show examples of what a pattern is not. Have them find the word pattern between two arrangements (either drawn or with small objects) and explain why (it does or doesn't repeat). | |
| Independent Practice | Students complete the printable practice pages (3 page options for lesson #1) by following the directions on the top of each page. | |
| Hands-On Activity | CENTER #1: Copy the patterns on the cards with manipulatives. CENTER #2: Explain making AB patterns with manipulatives. CENTER #3: Sort examples of if it is a pattern or not under YES or NO. | |
| Quick Checks | Check #1: Can you understand what numbers and what it is not? | |
| Lesson Goal | Questions | Lesson Materials |
| Understand what a pattern is and what it is not. | What is a pattern? What repeats? Is it a pattern or not? | Task Card #1 Journal/Practise #1 Mindful Math card #1 Pattern sort "I Can" Poster #1 Pattern blocks Anchor chart |
| Vocabulary | Literature | |
| pattern, repeating sequence, arrangement | Pattern Play by Brian Harvey | |

| Mindful MATH | | |
|--|--|--|
| Patterning - Book List | | |
| LESSON 1: A-B-A-B-A A Book of Patterns by Brian Harvey | LESSON 2: Busy Bugs: A Book About Patterns by Joyce Harvey | LESSON 3: Pattern Play by Tracy Harris |
| LESSON 4: Patterned by National Geographic Kids | LESSON 5: Pattern Fish by Tracy Harris | LESSON 6: Busy Bugs, Worms, Worms by Stuart J. Murphy |
| LESSON 7: Teddy Bear Patterns by Barbara McMath | LESSON 8: I See a Pattern Here by Bruce Goldstone | LESSON 9: Lots and Lots of Zebra Stripes by Stephen Sambrano |



Task Cards

Math Journals

Mental Math Cards



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Patterning

What's included in this 150+ page unit:

Worksheets



Pattern Book



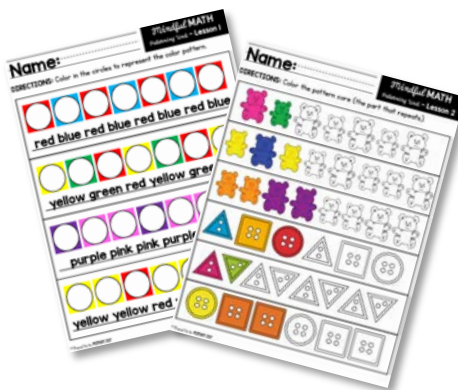
Hands-On Activities



Assessments



Answer Keys



Centers



This Mindful MATH unit covers

- ♥ What is a pattern?
- ♥ Identify the core
- ♥ Recognize & describe patterns
- ♥ Compare patterns
- ♥ Extend patterns
- ♥ Translate patterns
- ♥ Create patterns
- ♥ Identify patterns in the world



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 Kindergarten students need to learn before First 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

BB
patterns

ABCD
patterns

AAB
patterns

Barbara B.



It really helped my kids to see and understand patterns. I like how it teaches them to see patterns in the real world as well as the normal way we show patterns in school.

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 - Patterning | | |
|--|---|--|
| Lesson 1 : What is a Pattern? | | |
| Opening Activity | Students complete Task Card #1 using pattern blocks. OPTIONAL: Complete Journal Prompt #1 on a chart or math notebooks. | |
| Mental Math | As a whole class, show the AB patterns on Mental Math cards #1. Ask students to describe the patterns. | |
| Whole Group Lesson | <ul style="list-style-type: none"> *Teacher introduces lesson goal with "I Can" poster #1. *Create an anchor chart with the title "Pattern". Explain what a pattern is and write a definition (A pattern is a repeating sequence). Explain that there are many types of patterns (object shapes, numbers, letters, events, etc.). Draw an example for each on the chart. *Draw a few simple patterns on the chart and ask what they notice about the pattern. Explain the patterns and label with letters. *Show examples of what a pattern is. Have them find a real pattern between two arrangements (either drawn or with small objects) and explain why (It does not repeat). | |
| Independent Practice | Students complete the independent practice pages (3 page options for lesson #1) by following the directions on the top of each page. | |
| Hands-On Activity | CENTER #1: Copy the patterns on the cards with manipulatives. CENTER #2: Create more AB patterns with manipulatives. CENTER #3: Sort examples of if it is a pattern or not under YES or NO. | |
| Quick Checks | Meet with students on one-on-one in small groups. Complete Quick Check #1 (I can understand what a pattern is and what it is not.) | |
| Lesson Goal | Quick Check | Lesson Materials |
| Understand what a pattern is and what it is not. | What is a pattern? What repeats? Is it a pattern or not? | Task Card #1 Journal Prompt #1 Mental Math card #1 "I Can" Poster #1 Pattern blocks Small objects Anchor chart |
| Vocabulary | Literature | |
| pattern, repeating, sequence, arrangement | A-B-A-B-A A Book of Pattern Play by Brian Cleary | Practice pages Pattern cards Pattern sort 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.

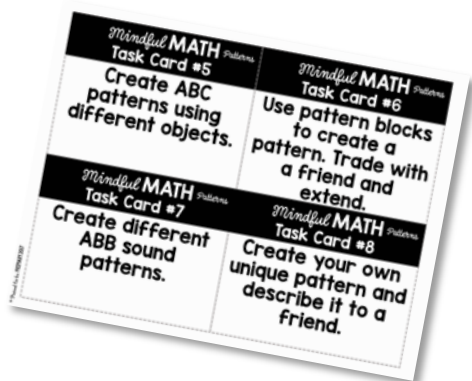
Helpful literature connection.

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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!



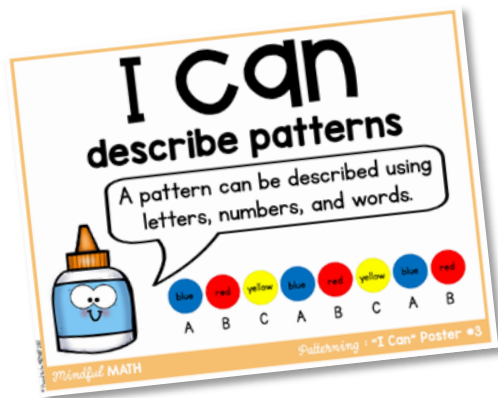
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"I Can" Posters

"I Can" 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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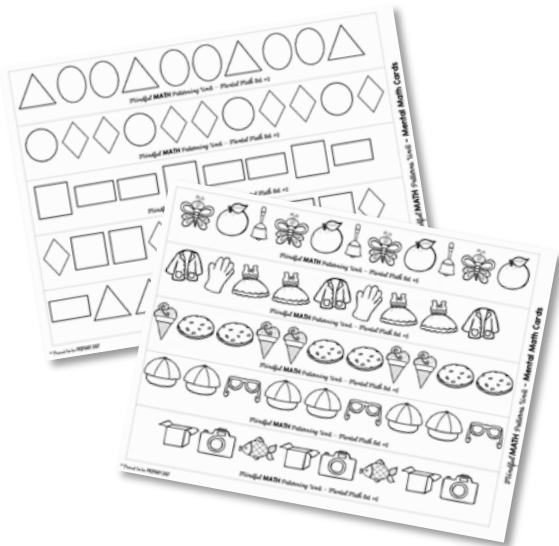
Math Journals

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!



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!

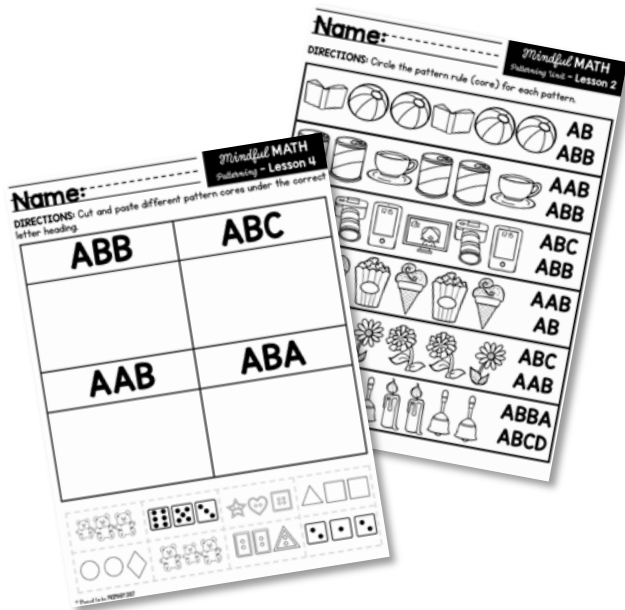


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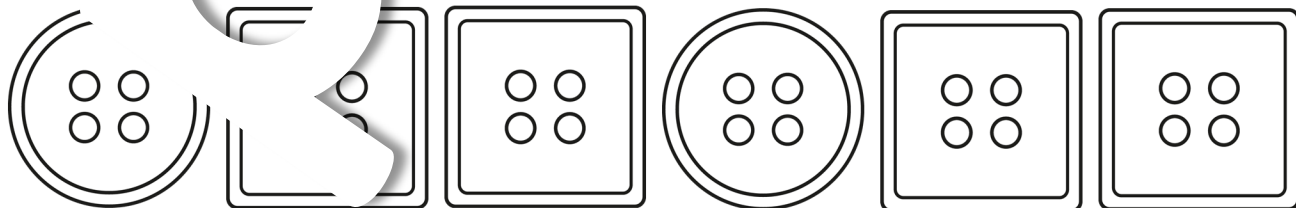
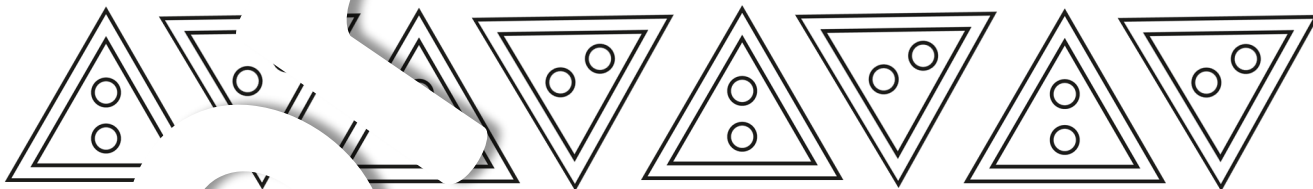
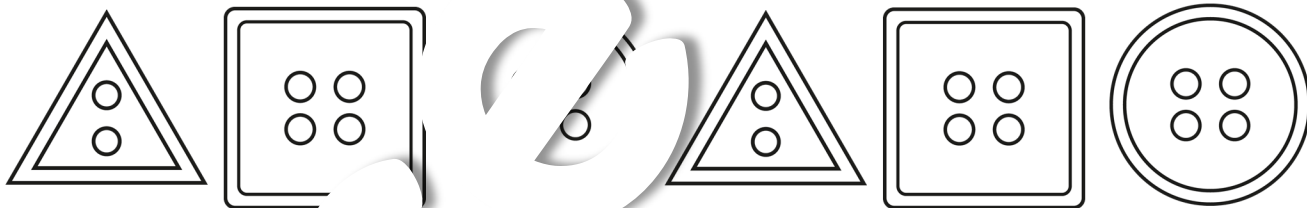
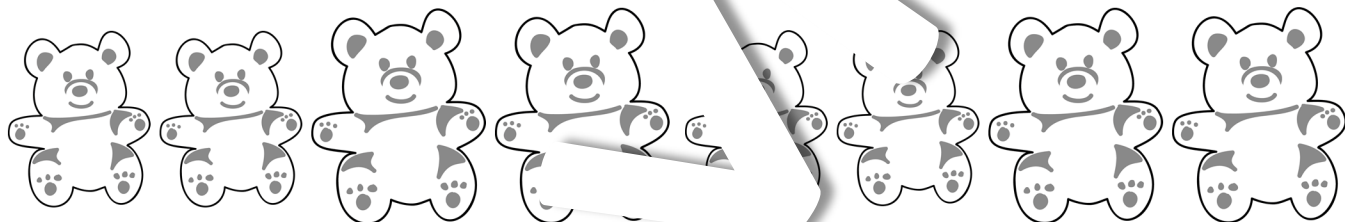
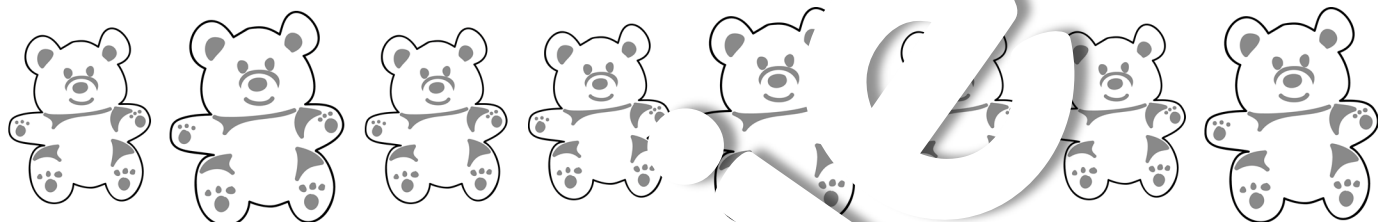
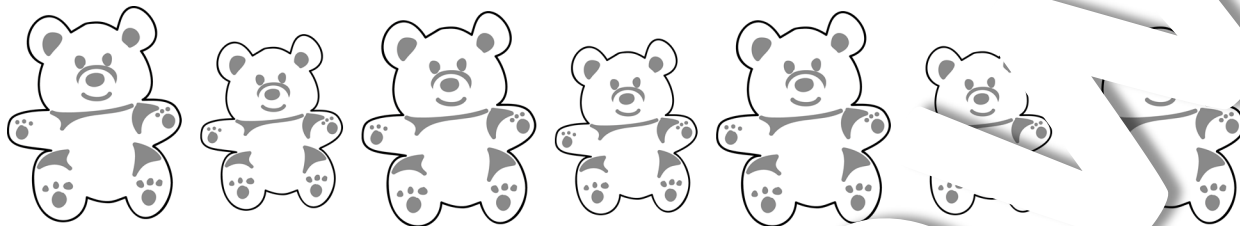
Practice Worksheets

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: Color the pattern core (the part that repeats).



Name: _____

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Patterning - Lesson 4

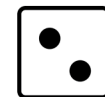
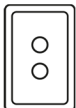
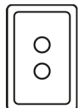
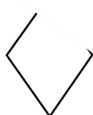
DIRECTIONS: Cut and paste different pattern cores under the correct letter heading.

ABB

AB

AAB

ABA

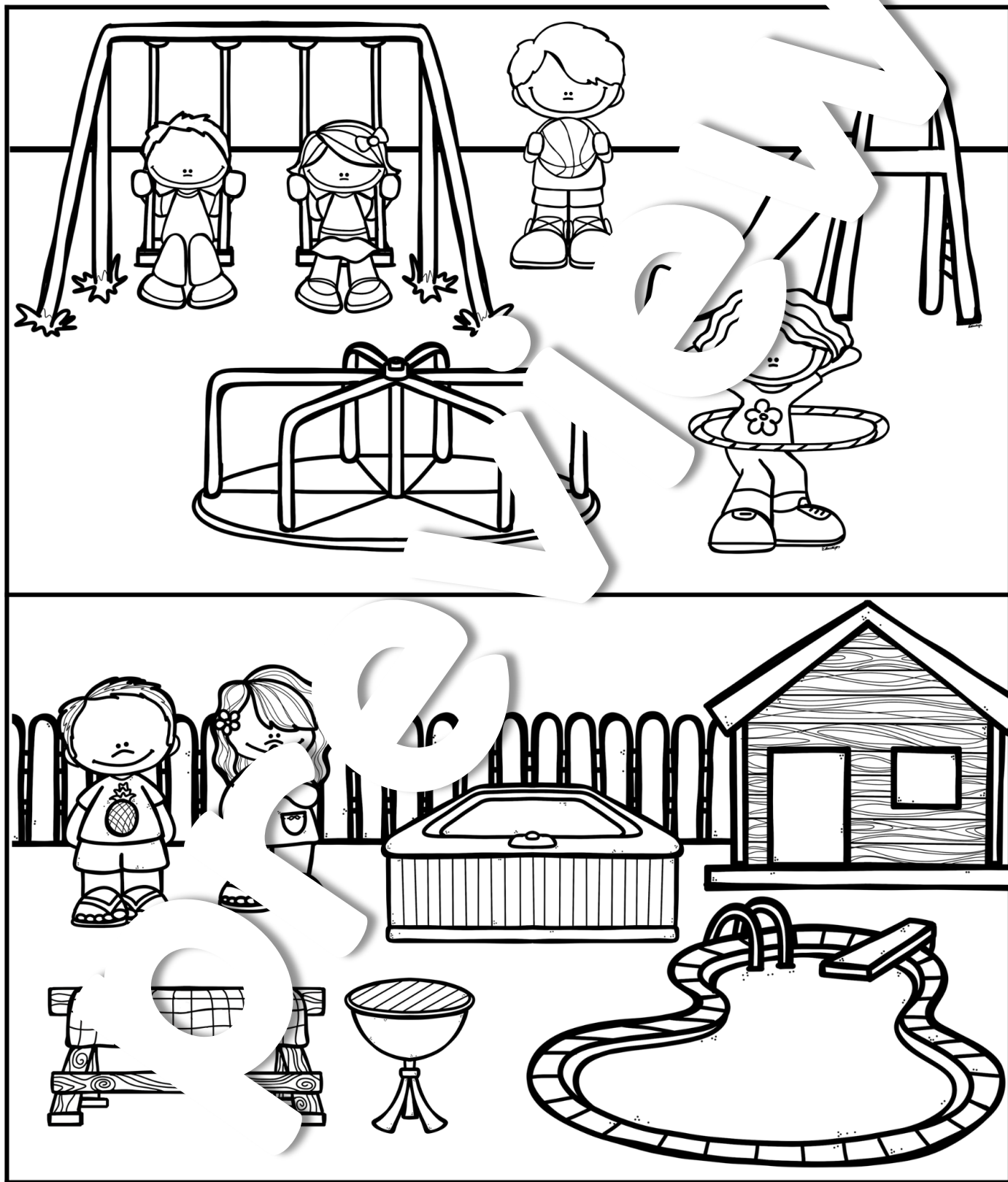


Name: -----

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Patterning - Lesson 8

DIRECTIONS: Color the patterns you find in the pictures

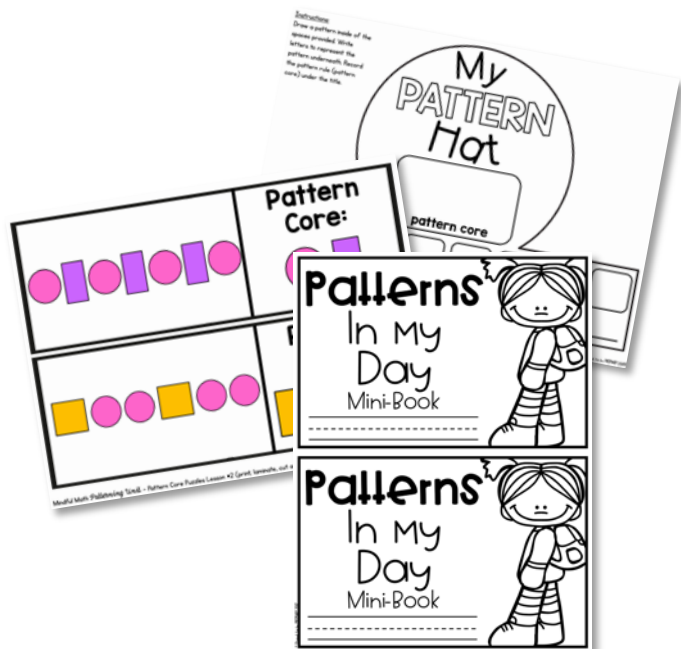


Mindful MATH



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!

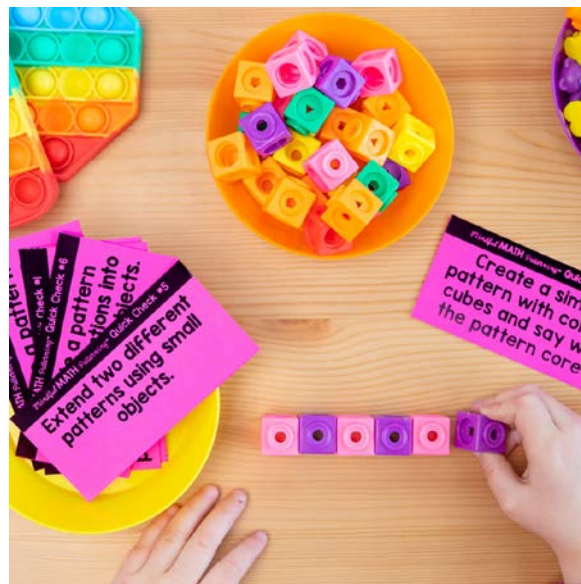
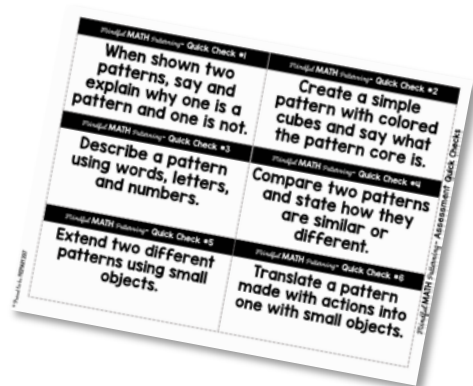


Mindful MATH



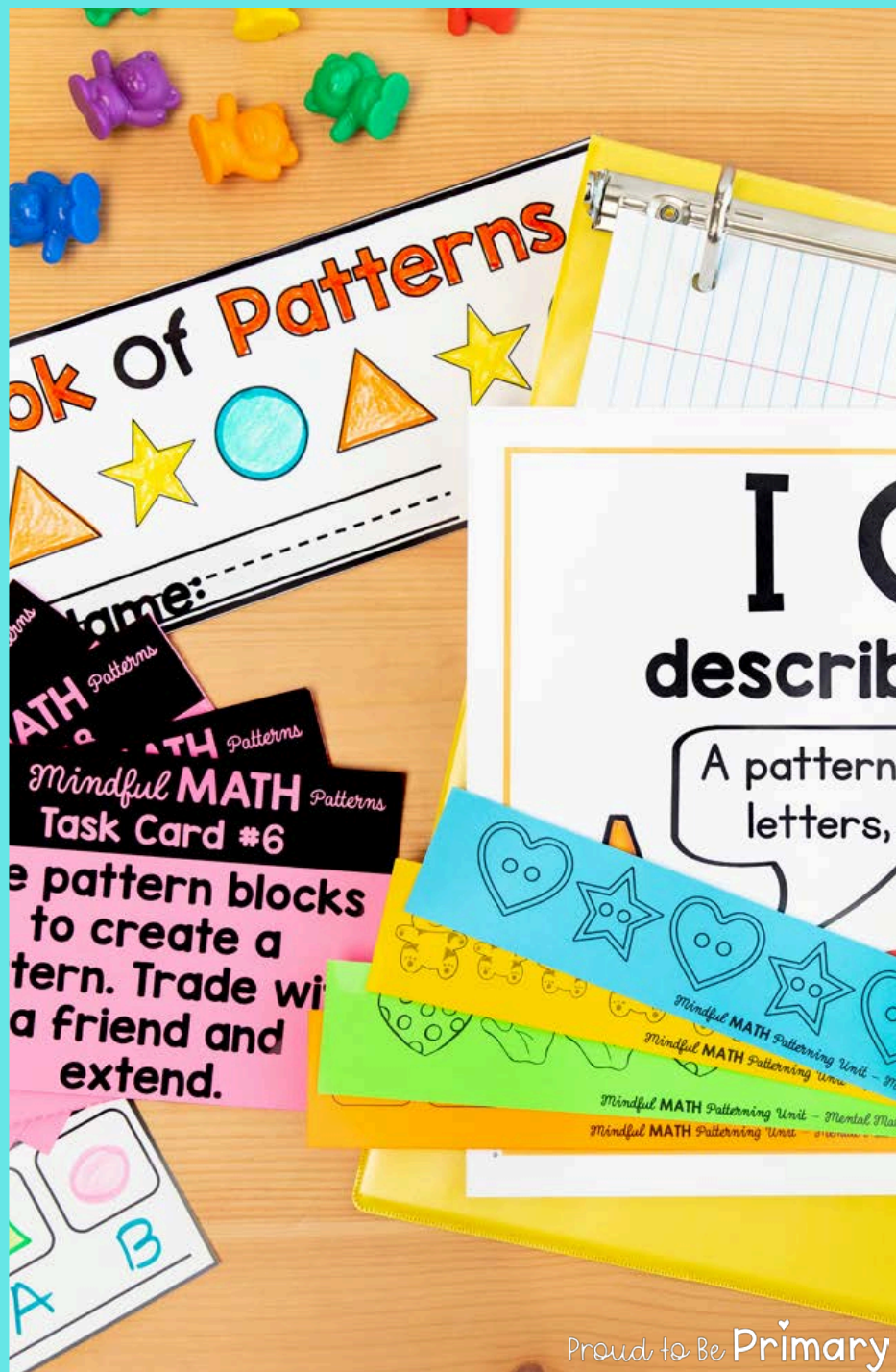
Math Assessments

There is a Quick Check summative assessment task card included for every lesson. Use the Quick Checks as a short activity for individuals or small groups to complete and show their understanding, while you observe and take note. Note: There are no printable tests included, however the practice worksheets can also work as assessments.



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 Proud to Be Primary MATH

Vyoma V. 



My students loved this resource. I especially appreciated different activities and task cards for each lesson - I was able to use either for whole class or a small group, which was great for differentiation!

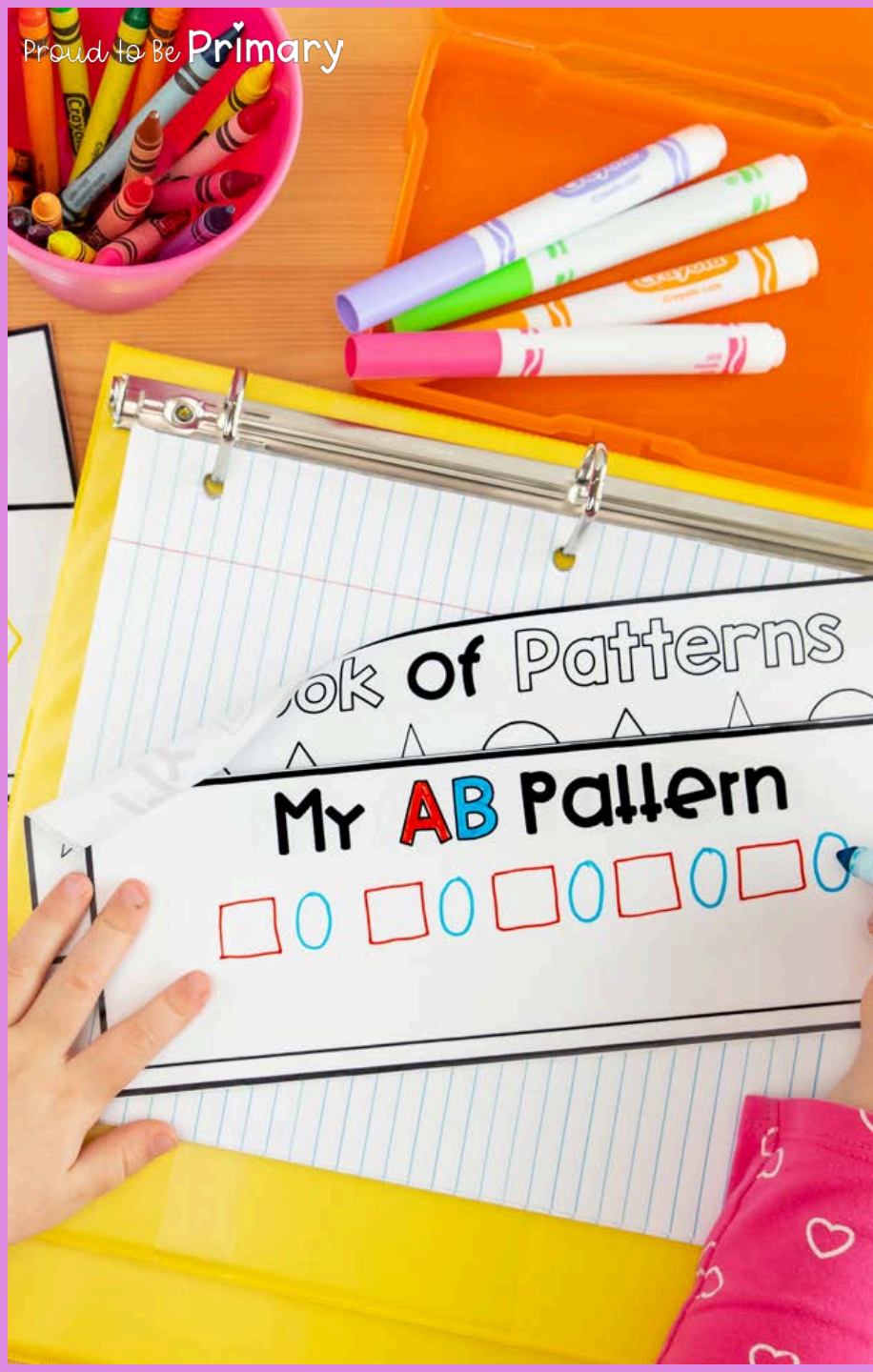
Our math units are enjoyed in thousands of classrooms worldwide!

Mindful **MATH** aligns to the standards

Patterning has been left out of the Kindergarten Common Core standards, yet it remains an important unit to teach.

The study of patterns is the foundation of mathematics as patterns are found everywhere. Children who can identify and create patterns of their own, locate patterns naturally and it trains them to think critically.

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



Mindful MATH - Patterning Overview

Correlated to the United States Common Core Standards for Kindergarten

| | |
|----------|----------------------------------|
| Lesson 1 | What is a pattern? |
| Lesson 2 | Identifying the pattern core. |
| Lesson 3 | Recognize and describe patterns. |
| Lesson 4 | Compare patterns. |
| Lesson 5 | Extend patterns. |
| Lesson 6 | Translate patterns. |
| Lesson 7 | Create patterns. |
| Lesson 8 | Identify patterns in the world. |

Patterning has largely been left out of the US Common Core Standards, yet it remains an important unit to teach. The study of pattern is the foundation of mathematics. Children who can identify and create patterns of their own, locate patterns naturally and trains them to think critically.

Mindful MATH - Patterning Overview

Correlated to British Columbia, Canada's BIG Ideas for Kindergarten

| | | |
|----------|----------------------------------|--|
| Lesson 1 | What is a pattern? | Repeating patterns with two or three elements |
| Lesson 2 | Identifying the pattern core. | Repeating patterns: Identifying the core. |
| Lesson 3 | Recognize and describe patterns. | Repeating patterns with two or three elements |
| Lesson 4 | Compare patterns. | Representing repeating patterns in various ways. |
| Lesson 5 | Extend patterns. | Repeating patterns with two or three elements |
| Lesson 6 | Translate patterns. | Representing repeating patterns in various ways. |
| Lesson 7 | Create patterns. | Representing repeating patterns in various ways. |
| Lesson 8 | Identify patterns in the world. | Repeating patterns: Identifying patterns in the world. |

Mindful MATH - Patterning Overview

Correlated to Ontario, Canada's Kindergarten Math Curriculum

| | | |
|----------|----------------------------------|--------|
| Lesson 1 | What is a pattern? | OE18.1 |
| Lesson 2 | Identifying the pattern core. | OE18.3 |
| Lesson 3 | Recognize and describe patterns. | OE18.1 |
| Lesson 4 | Compare patterns. | OE18.1 |
| Lesson 5 | Extend patterns. | OE18.2 |
| Lesson 6 | Translate patterns. | OE18.4 |
| Lesson 7 | Create patterns. | OE18.4 |
| Lesson 8 | Identify patterns in the world. | OE18.1 |

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!



Mindful **MATH** Curriculum for K-2



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

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LESSON & MATERIALS FOR FREE!



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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[GRAB YOUR](#)
[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.

Proud to Be Primary