

Mindful MATH

Proud to Be Primary

Addition to 20



1st Grade Comprehensive Math Curriculum

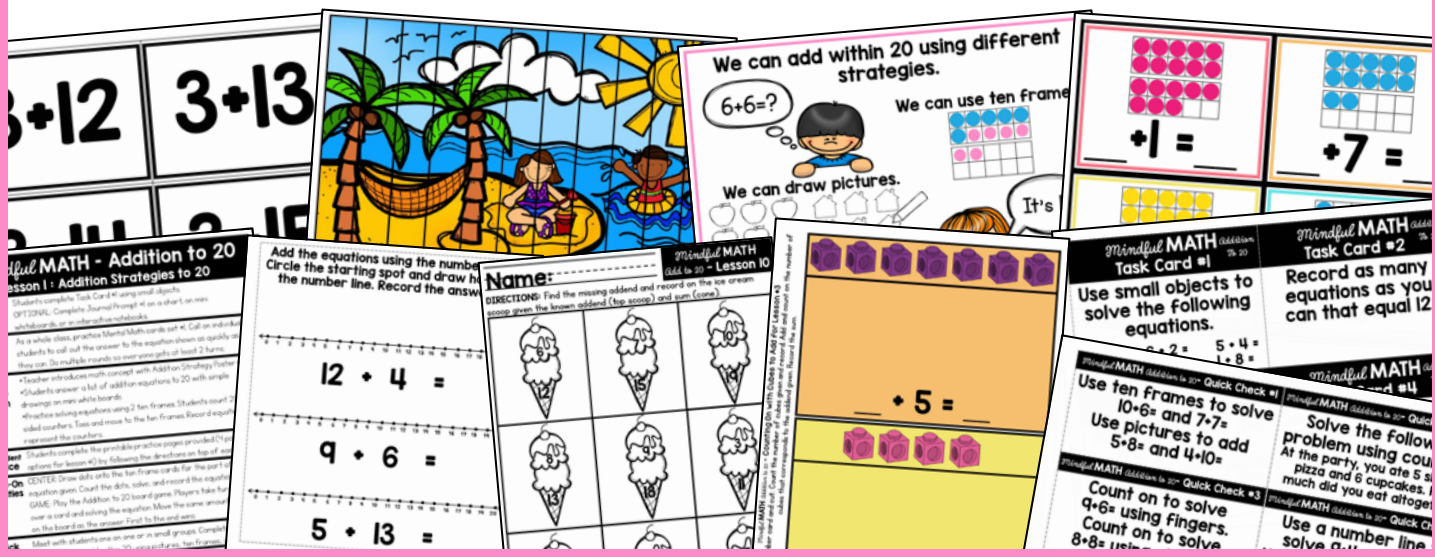
Mindful MATH



Addition to 20

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



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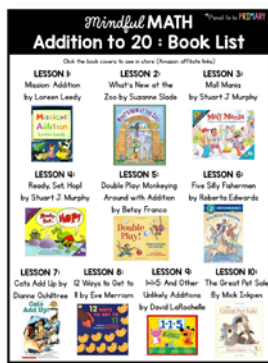
Addition to 20

What's included in this 400-page unit:

Detailed Lesson Plans

Mindful MATH - Addition to 20 Lesson 1: Addition Strategies to 20		
Opening Activity	Students complete Task Card #1 using small objects.	SPED/ENL: Complete Journal Strategy #1 on a short answer worksheet or on an interactive notebook.
Mental Math	As a whole class, practice Mental Math cards #1-4. Call on individual students to call out the answer to the equation shown as quickly as they can. Encourage students to explain their strategy at least 2 times.	
Whole Group Lesson	*Teacher introduces math concept with Addition Strategy Poster #1. *Students answer a list of addition equations to 20 with simple drawings on ten-frames boards. *Students solving equations using 2 ten-frames. Students count 20 ten-sided counters. Toss and move to the ten-frames. Record equations to represent the counters.	
Independent Practice	Students complete the printable practice pages provided. Teacher options for lesson #1 by following the directions on top of each page.	
Hands-On Activities	CENTRE: Draw and solve with ten-frames cards. For the part of the equation given. Count the dots, solve, and record the equation. GAME: Play the Addition to 20 board game. Players take turns turning over a card and solving the equation. Move the same amount of spaces on the board as the answer. End if all the road are.	
Quick Checks	Meet with students one-on-one or in small groups. Complete Quick Check #1 (2 easy add within 20 equations, ten-frames, and dice).	
Lesson Goal	Add to 20 using different strategies to add (for fractions, pictures, and small objects).	
Vocabulary	addition, add, sum, equation, plus, equal	
Questions	How do you solve? What is the sum? What strategy?	
Lesson Materials	Task Card #1 Journal Strategy #1 Mental Math card #1 Addition Strategy Poster #1 Practice Pages Ten-frames cards Ten-frames Quick Check #1	

Booklists



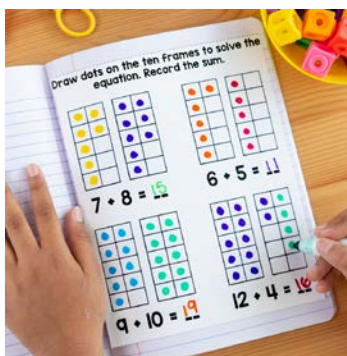
Posters & Materials



Task Cards



Math Journals



Mental Math Cards



Mindful MATH



Addition to 20

What's included in this 400-page unit:

Worksheets



Problem Book



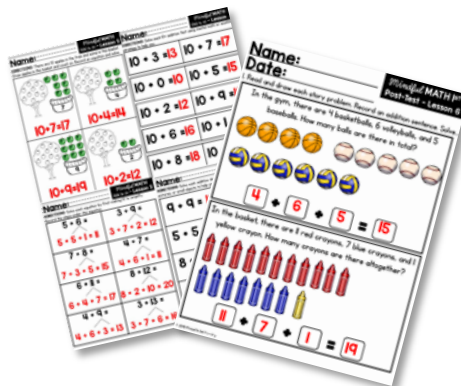
Hands-On Activities



Assessments



Answer Keys



Centers



This Mindful MATH unit covers

- ♥ Addition strategies to 20
- ♥ Word problems
- ♥ Counting on
- ♥ Using a number line & a chart to add
- ♥ Making 10
- ♥ Doubles to 12
- ♥ Commutative & Associative Property
- ♥ Fact families
- ♥ Relationship between + & -



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

Denise C.



This is an amazing resource! I love the variety of ways that children can show their understanding! It is nice to have access to the addition cards as well.

Our math units are enjoyed in thousands of classrooms worldwide!

A hand-drawn math problem on a whiteboard. It shows the equation $6 + 7 = 13$ with horizontal lines under each number. Above the equation, there are two rows of dots: a top row of six yellow dots and a bottom row of seven red dots. To the left of the equation is a cartoon drawing of a boy with glasses and a large number '1' on his orange shirt. The word 'marbles' is partially visible above the drawing.

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 - Addition to 20		
Lesson 1 : Addition Strategies to 20		
Opening Activity	Students complete Task Card #1 using small objects. 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 answer to the equation shown as quickly as they can. Do multiple rounds so everyone gets at least 2 turns.	
Whole Group Lesson	<ul style="list-style-type: none"> *Teacher introduces math concept with Addition Strategy Poster #1. *Students answer a list of addition equations to 20 with simple drawings on mini whiteboards. *Practice solving equations using 20 ten frames. Students count 20 two-sided counters. Toss and move to ten frames. Record equations to represent the counters. 	
Independent Practice	Students complete the printable practice pages provided (4 page options for lesson #1) by following the directions on top of each page.	
Hands-On Activities	<p>CENTER: Draw dots to the ten frames cards for the part of the equation given. Count the dots to solve, and record the equation.</p> <p>GAME: Play the Addition to 20 board game. Players take turns turning over a card to solve an equation. Move the same amount of spaces on the board as the number in the equation. First to the end wins.</p>	
Quick Checks	Meet with students on one or in small groups. Complete Quick Check #1. Can add within 20 using pictures, ten frames, and objects.	
Lesson Goal	Quick Checks	Lesson Materials
Add to 20 using different strategies to add (ten frames, pictures, and small objects).	How do you solve? What is the sum? What strategy?	Task Card #1 Journal Prompt #1 Mental Math set #1 Addition Strategy Poster #1 Mini boards & markers Small objects Ten frames 2-sided counters Practice Pages Ten frame cards Board game Quick Check #1
Vocabulary	Journal Prompt	
addition, add, sum, equation, plus, equal	Mission: Addition by Loreen Leedy	

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!



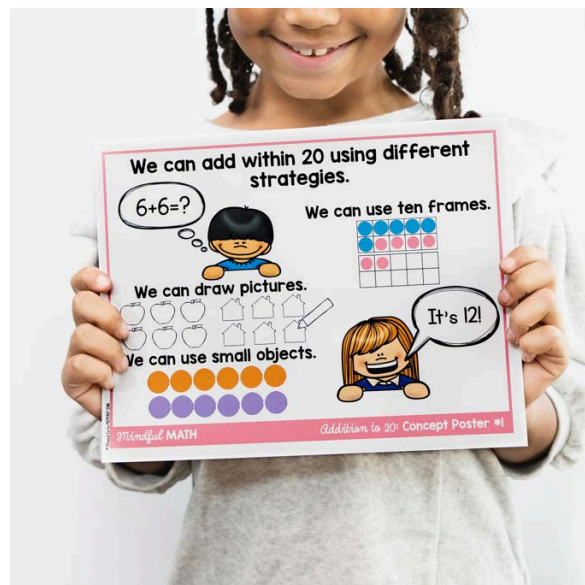
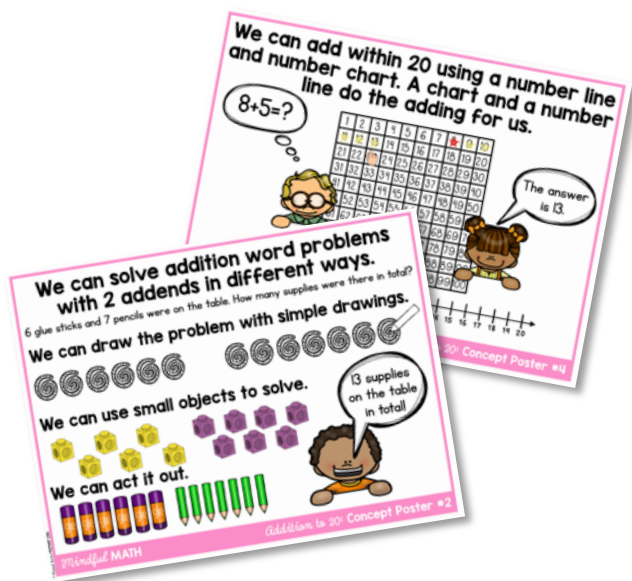
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Concept Posters

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.

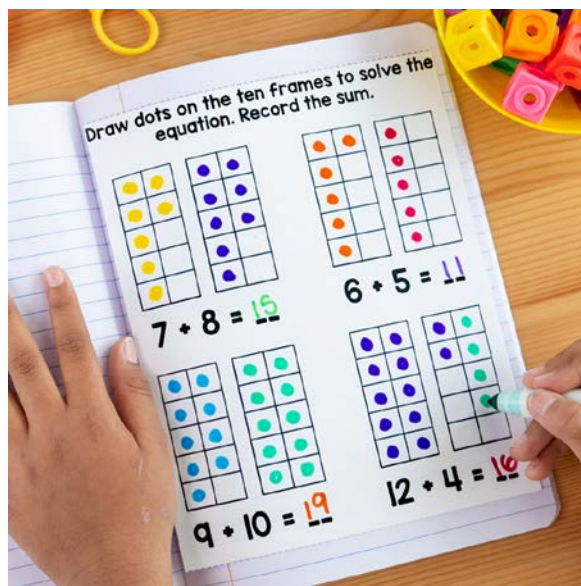


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Math Journals

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!

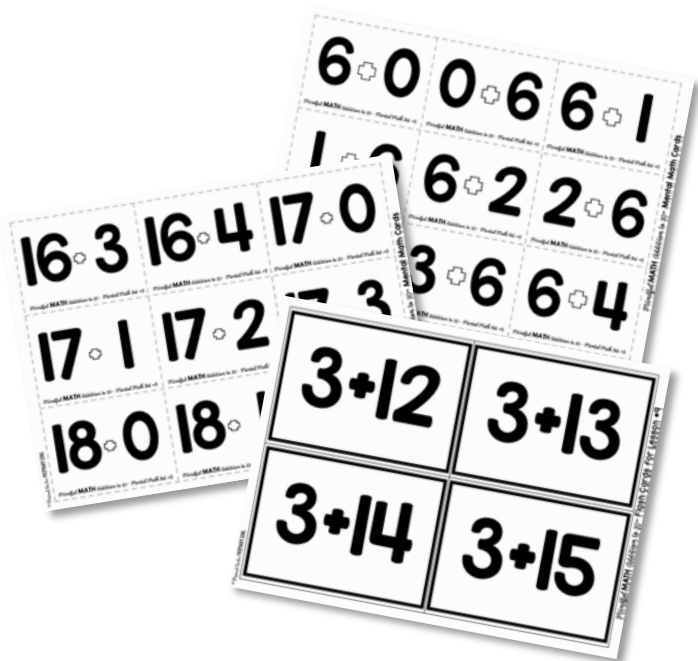


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Mental Math Flashcards

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!

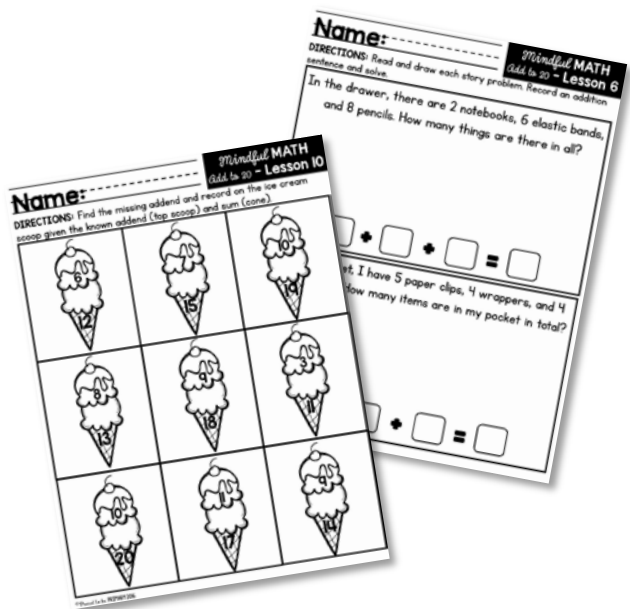


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Practice Worksheets

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.

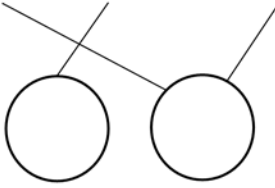


Name: _____

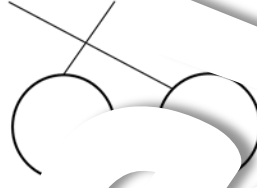
Mindful MATH
Add to 20 - Lesson 8

DIRECTIONS: Group numbers to make 10 to add. Record the sum.

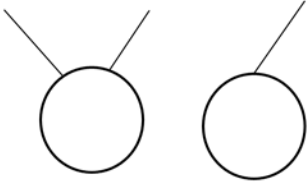
$4 + 1 + 6 =$



$5 + 3 +$



$1 + 9 + 2 =$



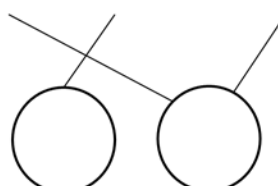
$7 + 3 + 8 =$



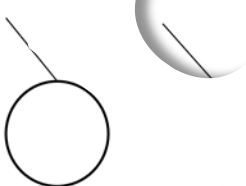
$8 + 2 + 4$



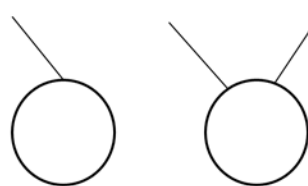
$6 + 5 + 4 =$



$6 + 1 + 1 =$



$10 + 3 + 7 =$

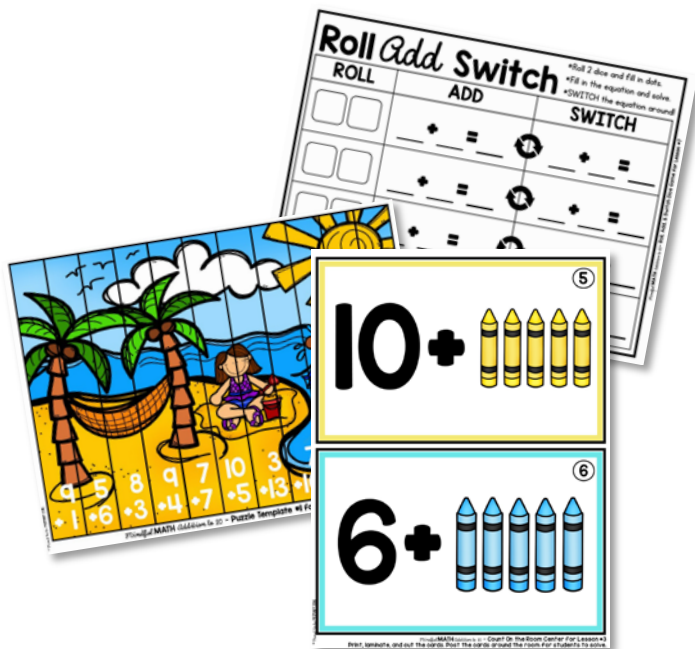


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Math Centers & Games

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!

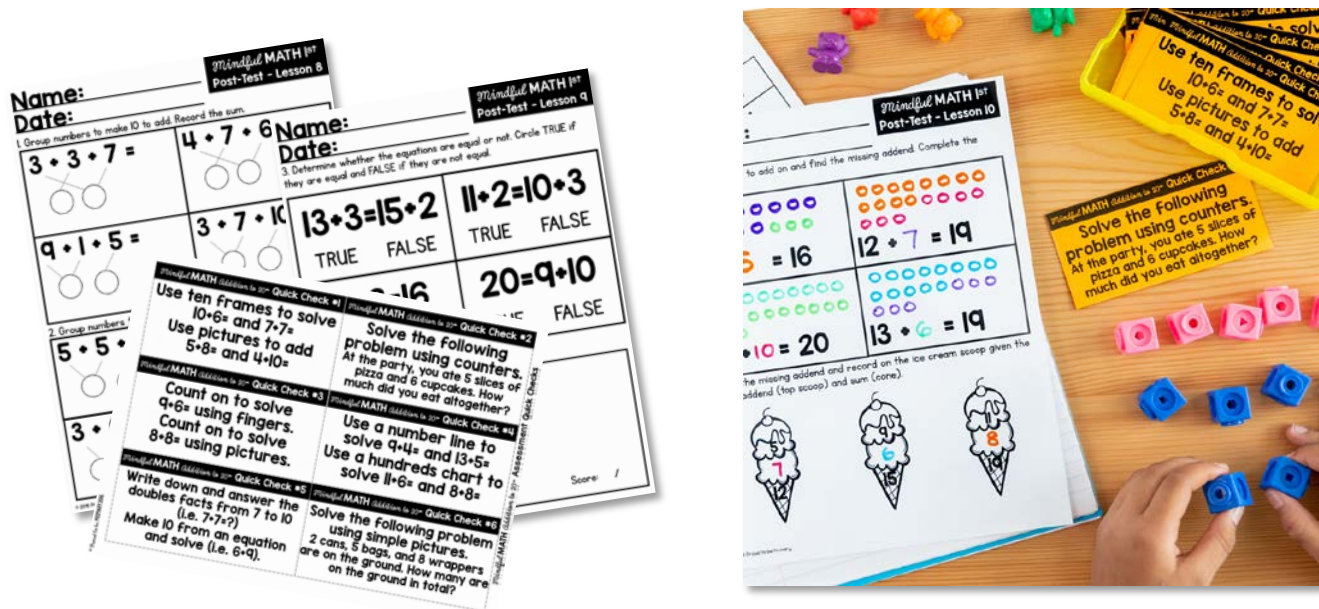


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Math Assessments

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

Sarah S.



This was a great resource that provided me with engaging activities and games students could participate in to build on their addition skills.

Our math units are enjoyed in thousands of classrooms worldwide!

Mindful MATH Task Card #3

Draw and solve the story problem.
We have eight sharp pencils and seven dull pencils. How many pencils do we have altogether?

$$8 + 7 = 15$$

Mindful MATH

aligns to the standards

- 1.OA.A.1
- 1.OA.A.2
- 1.OA.B.3
- 1.OA.C.5
- 1.OA.C.6
- 1.OA.D.7
- 1.OA.D.8

This unit aligns to 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 - Addition to 20

Overview

Correlated to the United States Common Core Standards

Lesson 1	Addition Strategies to 20 (using drawings, ten frames, and objects)	1.OA.C.6
Lesson 2	Addition Word Problems (with two addends)	1.OA.A.1
Lesson 3	Counting On to Add to 20	1.OA.C.5 1.OA.C.6
Lesson 4	Addition to 20 using a Number Line & Chart	1.OA.C.5
Lesson 5	Making 10 & Doubles to Add to 20	1.OA.C.6
Lesson 6	Addition Word Problems (with three addends)	1.OA.A.2
Lesson 7	Commutative Property of Addition	1.OA.B.3
Lesson 8	Associative Property of Addition	1.OA.B.3
Lesson 9	Addition Equations & Fluency	1.OA.D.7 1.OA.C.6
Lesson 10	Relationship between Addition & Subtraction (fact families & missing addends)	1.OA.C.6 1.OA.D.8

Mindful MATH - Addition to 20

Overview

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

Lesson 1	Addition Strategies to 20 (using drawings, ten frames, and objects)	Addition to 20 (understanding of operation & process)
Lesson 2	Addition Word Problems (with two addends)	Addition to 20 (understanding of operation & process)
Lesson 3	Counting On to Add to 20	Mental Math Strategies: counting on, making 10, doubles
Lesson 4	Addition to 20 using a Number Line & Chart	Addition to 20 (understanding of operation & process)
Lesson 5	Making 10 & Doubles to Add to 20	Mental Math Strategies: counting on, making 10, doubles
Lesson 6	Addition Word Problems (with three addends)	Addition to 20 (understanding of operation & process)
Lesson 7	Commutative Property of Addition	Addition to 20 (understanding of operation & process)
Lesson 8	Associative Property of Addition	Addition to 20 (understanding of operation & process)
Lesson 9	Addition Equations & Fluency	Addition to 20 (understanding of operation & process)
Lesson 10	Relationship between Addition & Subtraction (fact families & missing addends)	Addition & subtraction are related

Mindful MATH - Addition to 20

Overview

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

Lesson 1	Addition Strategies to 20 (using drawings, ten frames, & objects)	B2.2 recall and demonstrate addition facts for numbers up to 10 B2.4 use objects, diagrams, and equations to represent, describe, and solve situations involving addition
Lesson 2	Addition Word Problems (with two addends)	B2.4 use objects, diagrams, and equations to represent, describe, and solve situations involving addition of whole numbers that add up to 50
Lesson 3	Counting On to Add to 20	B2.2 recall and demonstrate addition facts for numbers up to 10 B2.3 use mental math strategies to add whole numbers that add up to no more than 20
Lesson 4	Addition to 20 using a Number Line & Chart	B2.4 use objects, diagrams, and equations to represent, describe, and solve situations involving addition of whole numbers that add up to 50
Lesson 5	Making 10 & Doubles to Add to 20	B2.3 use mental math strategies to add whole numbers that add up to no more than 20, and explain the strategies used
Lesson 6	Addition Word Problems (with three addends)	B2.4 use objects, diagrams, and equations to represent, describe, and solve situations involving addition of whole numbers that add up to 50
Lesson 7	Commutative Property of Addition	B2.1 use the properties of addition, and the relationship between addition and subtraction, to solve problems and check calculations
Lesson 8	Associative Property of Addition	B2.1 use the properties of addition, and the relationship between addition and subtraction, to solve problems and check calculations
Lesson 9	Addition Equations & Fluency	B2.2 recall addition facts for numbers up to 10 B2.3 use mental math strategies
Lesson 10	Relationship between Addition & Subtraction (fact families & missing addends)	B2.1 use the properties of addition and subtraction, and the relationship between addition and subtraction, to solve problems and check calculations

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Why

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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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