

Mindful MATH

Proud to Be Primary

Subtraction to 20



1st Grade Comprehensive Math Curriculum

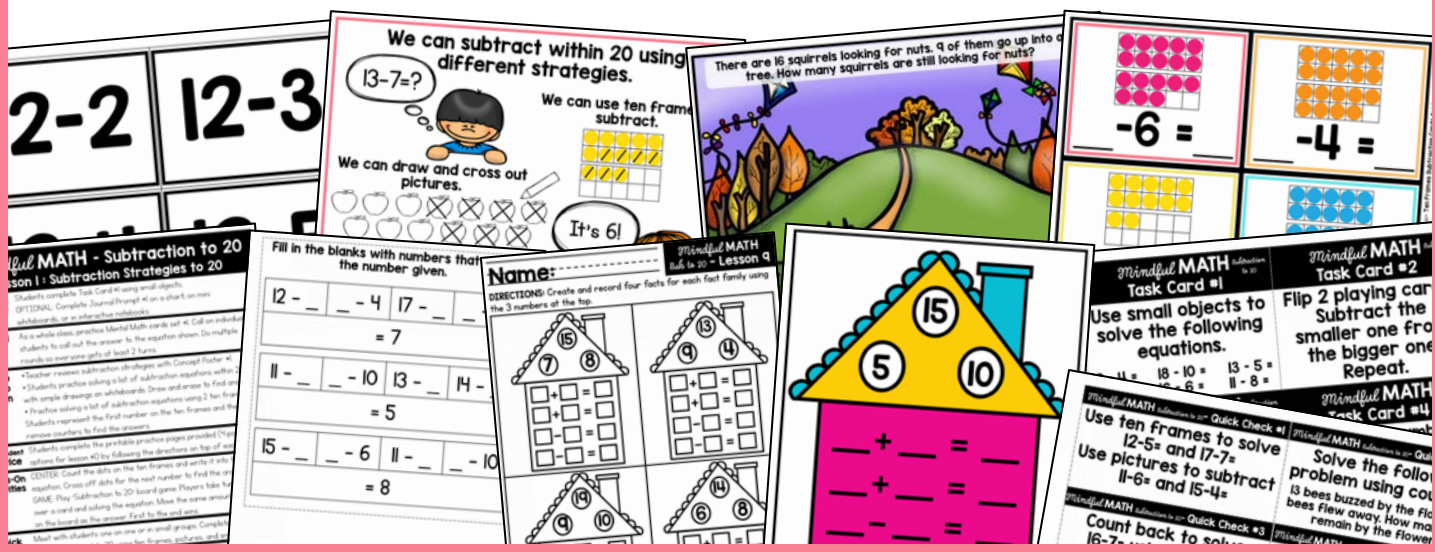
Mindful MATH



Subtraction 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



Mindful MATH



Subtraction to 20

What's included in this 400-page unit:

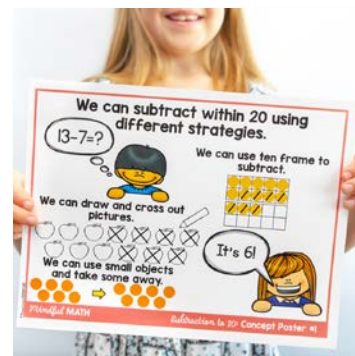
Detailed Lesson Plans

Mindful MATH - Subtraction to 20		
Lesson 1: Subtraction Strategies to 20		
Opening Activity	Students complete Task Card #4 using small objects. OPTIONAL: Complete Journal Prompt #4 on a sheet or mini whiteboards, or in interactive notebooks.	
Mental Math	As a whole class, practice Mental Math cards set #4. Call on individual students to call out the answer to the equation shown. Do multiple rounds to ensure everyone gets at least 2 answers.	
Whole Group Lesson	Teacher reviews subtraction strategies with Concept Poster #1. Students practice solving a set of subtraction equations within 20 with simple drawings or whiteboards. Draw and write to find answers. Practice solving a set of subtraction equations using 2 ten frames. Students represent the first number on the ten frames and then remove counters to find the answer.	
Independent Practice	Students complete the printable practice pages provided. (1 page) solves for lesson #10 by following the directions on top of each page.	
Hands-On Activities	CENTER: Count the dots on the ten frames and write it into the equation. Cross off dots for the next number to find the answer. GAME: Play Subtraction 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. First to the end wins.	
Quick Checks	Meet with students one-on-one or in small groups. Complete Quick Check #12 on subtraction to 20 using ten frames, pictures, and small objects.	
Lesson Goal	Questions	Lesson Materials
Subtract within 20 using different strategies to find the difference.	What do you mean? What is the difference?	Ten Frames Concept Poster #1 Practice Pages Ten frame cards Board game & markers Quick Check #12
Literature	Vocabulary	
Monster Math by Grace Muscarella	subtraction, subtract, difference, meaning, know, mind	

Booklists



Posters & Materials



Task Cards

Math Journals

Mental Math Cards



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Subtraction to 20

What's included in this 400-page unit:

Worksheets



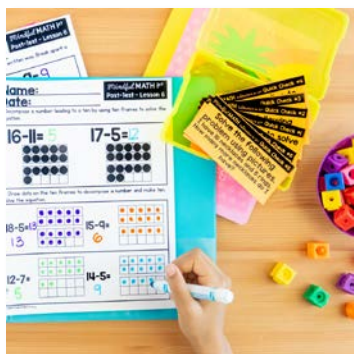
Problem Book



Hands-On Activities



Assessments



Answer Keys

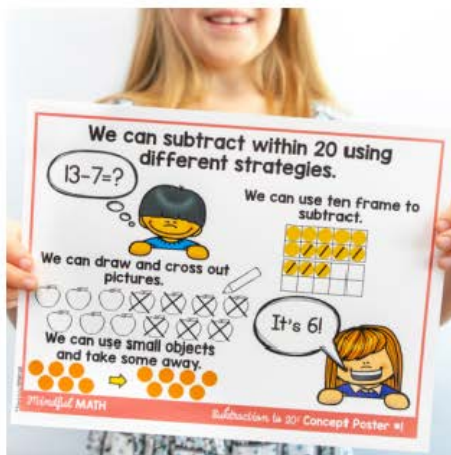


Centers



This Mindful MATH unit covers

- ♥ Subtraction strategies to 20
- ♥ Word problems
- ♥ Counting back
- ♥ Using a number line & a chart to subtract
- ♥ Decomposing numbers leading to a ten
- ♥ Subtraction as unknown addend
- ♥ 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**

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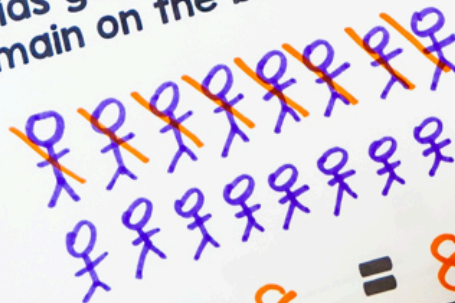
Hayley W.



I was struggling to find a way to introduce subtraction to my students. This resource was perfect for teaching students in the most comprehensive and understandable way.

Our math units are enjoyed in thousands of classrooms worldwide!

The bus drives 16 kids to school.
At the first stop, 8 kids get off. How many
kids remain on the bus?



$$16 - 8 = 8$$

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 - Subtraction to 20										
Lesson 1: Subtraction 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. Do multiple rounds so everyone gets at least 2 turns.									
Whole Group Lesson	<ul style="list-style-type: none"> *Teacher reviews subtraction strategies using Concept Poster #1. *Students practice solving a list of subtraction equations within 20 with simple drawings on whiteboards, draw and erase to find answers. *Practice solving a list of subtraction equations using 2 ten frames. Students represent the first number on the ten frames and then remove counters to find the answer. 									
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: Count the dots on the ten frames and write it into the equation. Cross out dots for the next number to find the answer.</p> <p>GAME: Play 'Subtraction to 20' board game. Players take turns turning over a card solving the equation. Move the same amount of spaces on the board as the number. First to the end wins.</p>									
Quick Checks	Meet with students on one-on-one or in small groups. Complete Quick Check #1 (I can subtract 20 using ten frames, pictures, and small objects).									
Lesson Goal	<table border="1"> <thead> <tr> <th>Lesson Goal</th> <th>Quick Checks</th> <th>Lesson Materials</th> </tr> </thead> <tbody> <tr> <td>Subtract within 20 using diff. strategies to find the difference.</td> <td>How do you solve what is the difference?</td> <td>Task Card #1 Journal Prompt #1 Mental Math set #1 Concept Poster #1 Whiteboards & Markers Small objects</td> </tr> <tr> <td>Literature Master Math by Grace Maccaroni</td> <td>Vocabulary subtract, subtract, difference, equation, minus, equal</td> <td>Ten frames Counters Practice Pages Ten frame cards Board game & cards Quick Check #1</td> </tr> </tbody> </table>	Lesson Goal	Quick Checks	Lesson Materials	Subtract within 20 using diff. strategies to find the difference.	How do you solve what is the difference?	Task Card #1 Journal Prompt #1 Mental Math set #1 Concept Poster #1 Whiteboards & Markers Small objects	Literature Master Math by Grace Maccaroni	Vocabulary subtract, subtract, difference, equation, minus, equal	Ten frames Counters Practice Pages Ten frame cards Board game & cards Quick Check #1
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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!



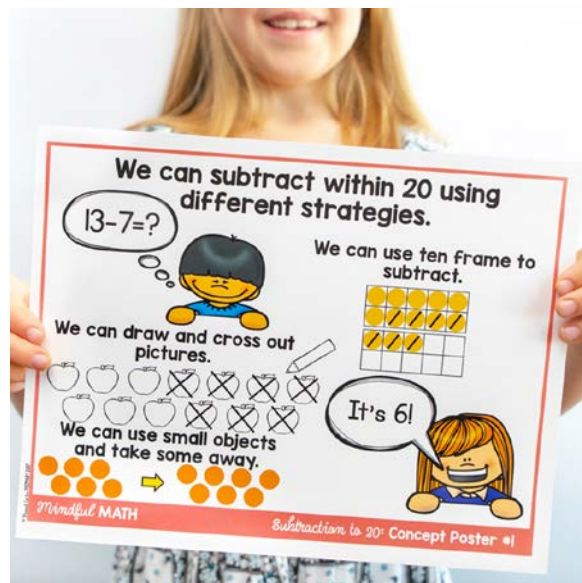
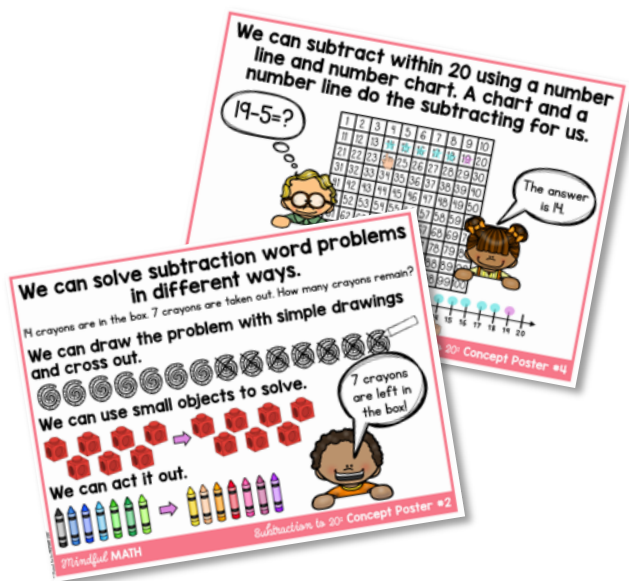
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Concept Posters

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!

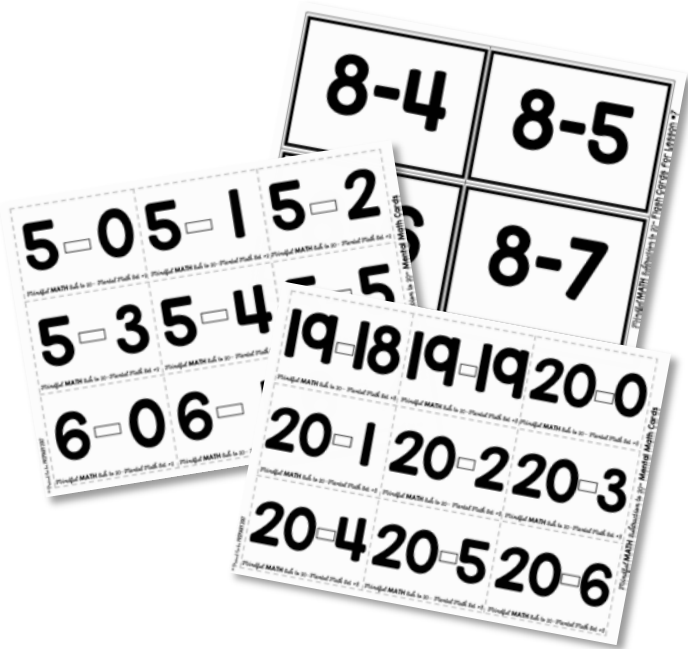


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Mental Math Flashcards

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!

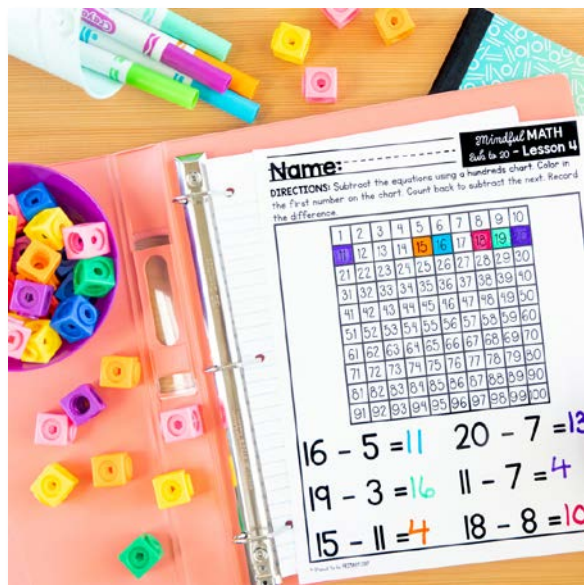
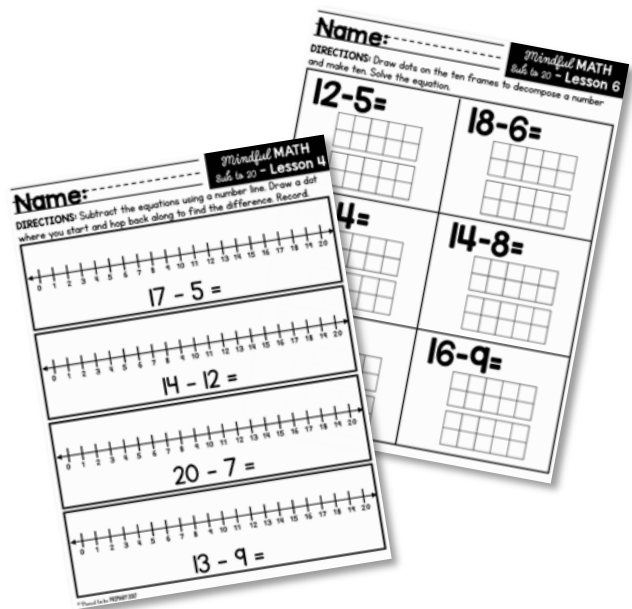


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Practice Worksheets

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: _____

DIRECTIONS: Read and draw circles to solve each subtraction story problem. Record a subtraction sentence.

There are 15 brown leaves and 8 green leaves.

How many more brown leaves are there?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

There are 14 trains and 4 cars.

How many fewer cars are there?

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

There are 16 round buttons and 5 square buttons.

How many more round buttons are there?

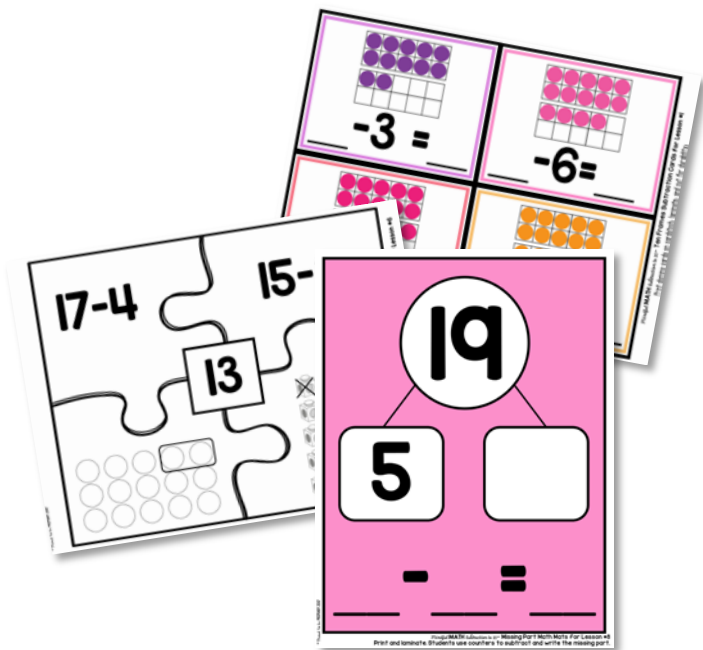
$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

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!

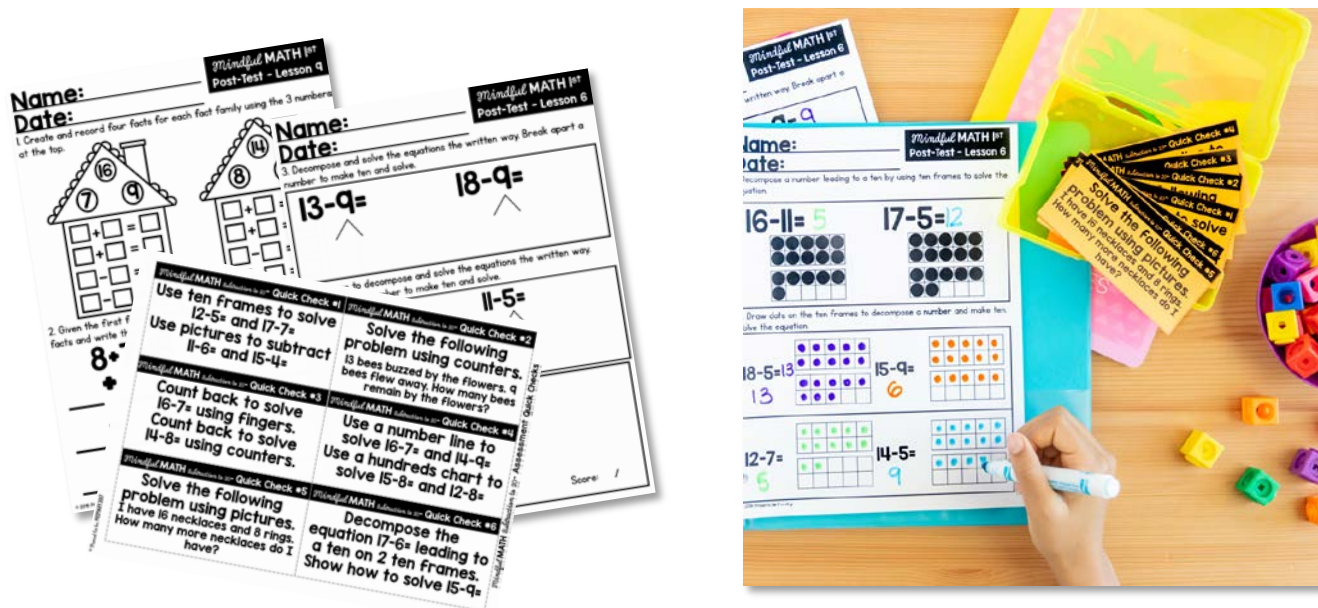


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Math Assessments

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**

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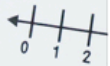
Subtract and solve the equations using the number line. Circle the starting spot and draw hops backwards on the number line. Record the answer.



Leah J. 



Love Proud to be Primary's math units! Such a well-rounded way to teach math - pulling in literacy, whole and small group learning, independent practice, games, centre activities, journaling and more. Wonderfully scaffolded and easy to differentiate.



$$15 - 5 = 10$$

Our math units are enjoyed in thousands of classrooms worldwide!



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 - Subtraction to 20

Overview

Correlated to the United States Common Core Standards

Lesson 1	Subtraction Strategies to 20 (using drawings, ten frames, and objects)	I.OA.C.6
Lesson 2	Subtraction Word Problems (with two numbers)	I.OA.A.1
Lesson 3	Counting Back to Subtract within 20	I.OA.C.5 I.OA.C.6
Lesson 4	Subtraction to 20 using a Number Line & Chart	I.OA.C.5
Lesson 5	More Subtraction Word Problems	I.OA.A.1
Lesson 6	Decomposing Numbers Leading to a Ten	I.OA.C.6
Lesson 7	Subtraction Equations & Fluency	I.OA.C.6 I.OA.D.7
Lesson 8	Subtraction as an Unknown Addend	I.OA.B.4
Lesson 9	Relationship between Addition & Subtraction (fact families)	I.OA.C.6
Lesson 10	Determine Unknown Whole Number in a Subtraction Equation	I.OA.D.8

Mindful MATH - Subtraction to 20

Overview

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

Lesson 1	Subtraction Strategies to 20 (using drawings, ten frames, and objects)	Subtraction to 20 (understanding of operation & process)
Lesson 2	Subtraction Word Problems (with two numbers)	Subtraction to 20 (understanding of operation & process)
Lesson 3	Counting Back to Subtract within 20	Mental Math Strategies: counting back
Lesson 4	Subtraction to 20 using a Number Line & Chart	Subtraction to 20 (understanding of operation & process)
Lesson 5	More Subtraction Word Problems	Subtraction to 20 (understanding of operation & process)
Lesson 6	Decomposing Numbers Leading to a Ten	Decomposing 20 into its parts
Lesson 7	Subtraction Equations & Fluency	Subtraction to 20 (understanding of operation & process)
Lesson 8	Subtraction as an Unknown Addend	Addition & subtraction are related
Lesson 9	Relationship between Addition & Subtraction (fact families)	Addition & subtraction are related
Lesson 10	Determine Unknown Whole Number in a Subtraction Equation	Addition & subtraction are related

Mindful MATH - Subtraction to 20

Overview

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

Lesson 1	Subtraction Strategies to 20 (drawings, ten frames, & objects)	B2.2 recall and demonstrate subtraction facts for numbers up to 10 B2.4 use objects, diagrams, and equations to represent, describe, and solve situations involving subtraction
Lesson 2	Subtraction Word Problems (with two numbers)	B2.4 use objects, diagrams, and equations to represent, describe, and solve situations involving subtraction of whole numbers that add up to 50
Lesson 3	Counting Back to Subtract within 20	B2.2 recall and demonstrate subtraction facts for numbers up to 10 B2.3 use mental math strategies to subtract whole numbers no more than 20
Lesson 4	Subtraction to 20 using a Number Line & Chart	B2.4 use objects, diagrams, and equations to represent, describe, and solve situations involving subtraction of whole numbers to 50
Lesson 5	More Subtraction Word Problems	B2.4 use objects, diagrams, and equations to represent, describe, and solve situations involving subtraction of whole numbers that add up to 50
Lesson 6	Decomposing Numbers Leading to a Ten	B2.1 use the properties of subtraction, and the relationship between addition and subtraction, to solve problems and check calculations
Lesson 7	Subtraction Equations & Fluency	B2.2 recall subtraction facts for numbers up to 10 B2.3 use mental math strategies
Lesson 8	Subtraction as an Unknown Addend	B2.1 use the properties of subtraction and subtraction, and the relationship between addition and subtraction, to solve problems and check calculations
Lesson 9	Relationship between Addition & Subtraction (fact families)	B2.1 use the properties of subtraction and subtraction, and the relationship between addition and subtraction, to solve problems and check calculations
Lesson 10	Determine Unknown Whole Number in a Subtraction Equation	B2.1 use the properties of subtraction and subtraction, and the relationship between addition and subtraction, to solve problems and check calculations

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.
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Learn How to Teach **MATH** Effectively in K-2

FREE lessons & activities
With Proud to Be Primary

Mindful **MATH** Curriculum for K-2



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 Mindful Math with your students to see if it is a perfect fit for you and your students!

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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.

Proud to Be Primary