

3-digit Subtraction



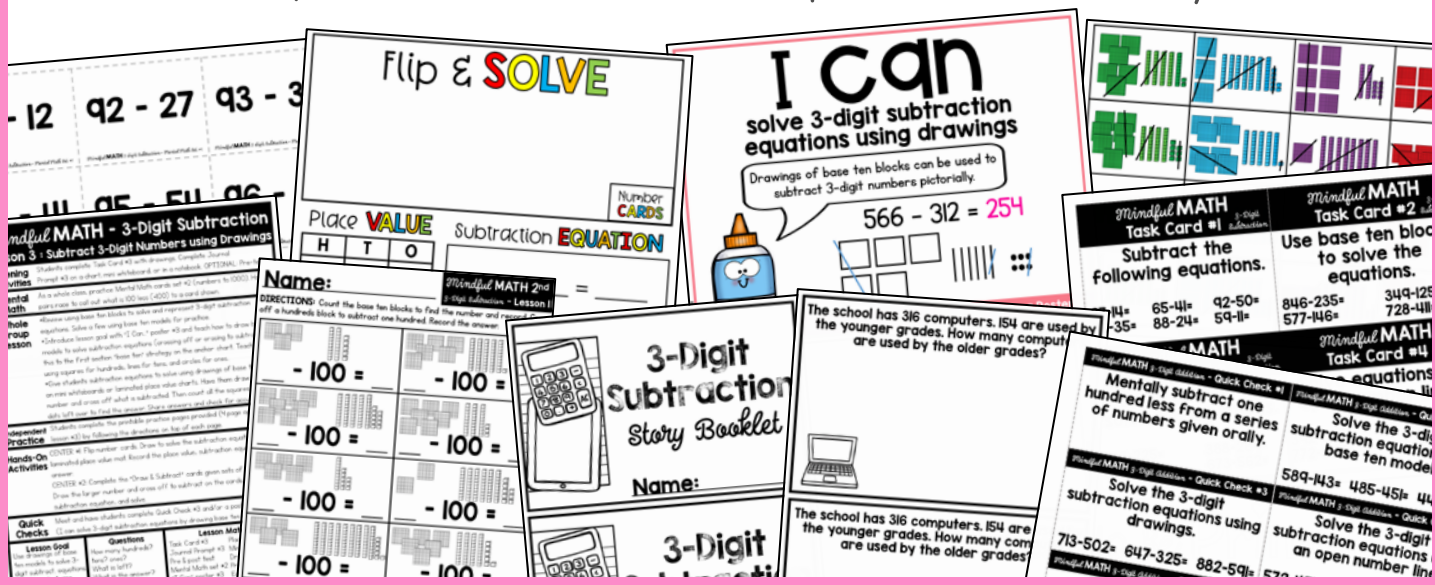
Mindful MATH



3-Digit Subtraction

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
- ♥ Three assessments: Quick Check task cards, pre-tests & post-tests for every lesson



Mindful MATH



3-Digit Subtraction

What's included in this 250-page unit:

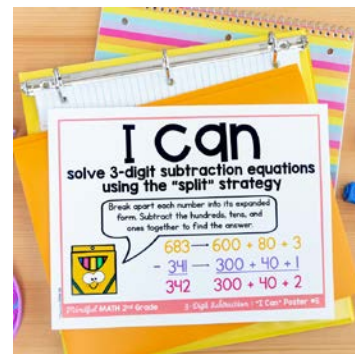
Detailed Lesson Plans

Mindful MATH - 3-Digit Subtraction	
Lesson 3 - Subtract 3-Digit Numbers using Drawings	
Opening Activities	Students complete Task Card #1 with a drawing. Complete journal prompt #1 on a chart, use a drawing or a number line. (15 minutes)
Mental Math	For a whole class activity, students complete the 3-digit subtraction problems on a chart. (10 minutes)
Whole Group Lesson	Review using base ten blocks to solve and represent 3-digit subtraction equations. Solve a few using base ten blocks for practice. (10 minutes)
Independent Practice	Students complete the practice problem independently. Review for about 40 seconds. (10 minutes)
Hands-On Activities	Students complete the practice problem independently. Review for about 40 seconds. (10 minutes)
Quick Checks	Students complete the practice problem independently. Review for about 40 seconds. (10 minutes)
Lesson Goals	Students will be able to solve 3-digit subtraction equations using drawings.
Questions	What are the steps to solve a 3-digit subtraction equation?
Answers	1. Draw the numbers. 2. Subtract. 3. Check the answer.

Booklists



Posters & Materials



Task Cards

Math Journals

Mental Math Cards



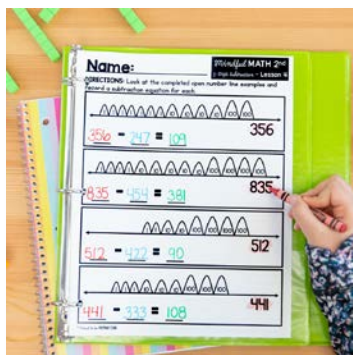
Mindful MATH



3-Digit Subtraction

What's included in this 250-page unit:

Worksheets



Games



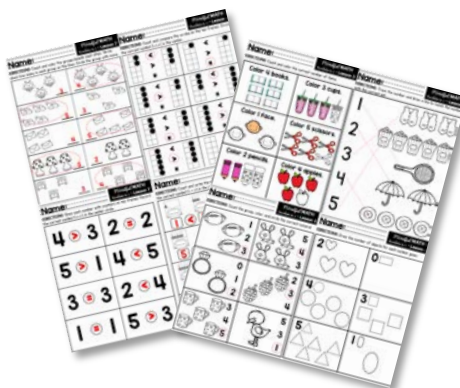
Hands-On Activities



Assessments



Answer Keys



Centers



This Mindful MATH unit covers

- ♥ Mentally subtract 100 from a number
- ♥ Subtract 3-digit numbers using models or drawings, with or without regrouping
- ♥ Jump strategy
- ♥ Split strategy
- ♥ Shortcut strategy
- ♥ Traditional algorithm
- ♥ 1-2 step work problems



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 Second Grade students need to learn before Third 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 Proud to Be Primary MATH

Denise M.



If you don't know Mindful Math you are in for a treat. These units are so well laid out and provide a ton of practice. The fact it follows the BC curriculum is great as I don't have to pull other activities to supplement for outcomes not covered. Everything is ready to go.

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 - 3-Digit Subtraction		
Lesson 2 : Subtract 3-Digit Numbers using Models		
Opening Activities	Students complete Task Card #2 with base ten blocks. Complete Journal Prompt #2 on a chart, mini whiteboard, or in a notebook. OPTIONAL: Pre-test.	
Mental Math	As a whole class, practice Mental Math cards set #2 (numbers to 1000). Show a number card and have students call out what is 100 less (~100) quickly.	
Whole Group Lesson	<ul style="list-style-type: none"> *Introduce lesson goal with "I Can..." poster #2/3. Teach the base ten model method on an anchor chart divided into 6 sections. Label the chart "3-Digit Subtraction Strategies" and label the first section with the strategy. *Give students hundreds, tens, and ones blocks and work with them to solve 3-Digit Subtraction equations together by showing each number and adding them together. Start first with a number without regrouping. Have them record the equation on their own board. After they understand enough practice, introduce "regrouping" and trading (ones for tens blocks, or ten tens blocks for a hundreds block, or ten hundreds block for a thousands block). *Write equations down and ask students to solve using base ten blocks. They will need to determine whether it requires regrouping or not. Check for accuracy. 	
Independent Practice	Students complete the available practice pages provided (4 page options for lesson #2) by following the directions on each page.	
Hands-On Activities	<p>GAME: Play 'Match Game' with students to match an equation with the concrete model.</p> <p>CENTER: Flip and solve subtraction equations using the numbers on cards on the place value mat using base ten blocks. Record the place value, equation, and answer.</p>	
Quick Checks	Meet and have students complete Quick Check #3 and/or a post-test assessment (can be used for 3-digit subtraction equations using base ten models.)	
Lesson Goal	Questions	Lesson Materials
Use base ten models to solve 3-digit subtraction equations.	How many thousands?	Task Card #2
Vocabulary	How many hundreds?	Base ten blocks:
base ten, one, ten, hundred, thousand, minus, subtract	How many tens?	Journal Prompt #2
	How many ones?	Pre & post tests
	How many left?	Mental Math set #2
	How many answer?	"I Can..." poster #2
		Place Value mats
		Anchor chart
		Boards & markers
		Practice Pages
		Match Game
		Equation cards
		Quick Check #2

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.

Three assessment options included.

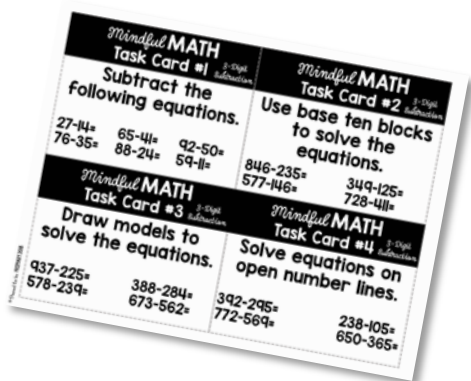
Helpful literature connection.

Mindful MATH



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!



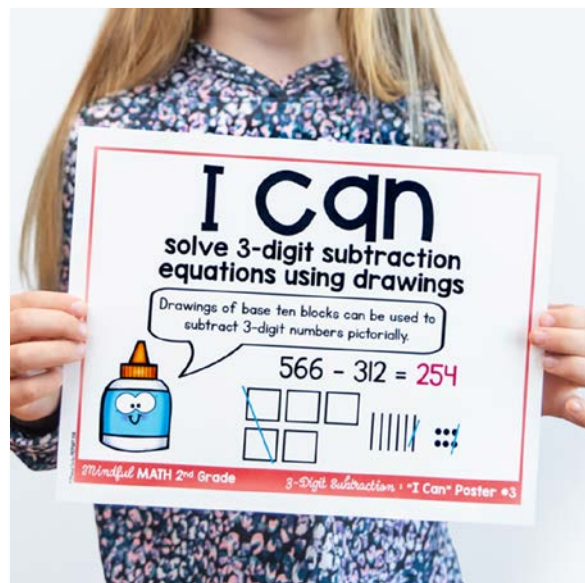
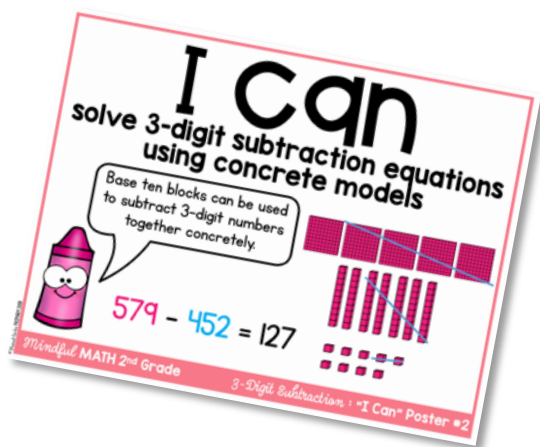
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"I Can" Posters

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.

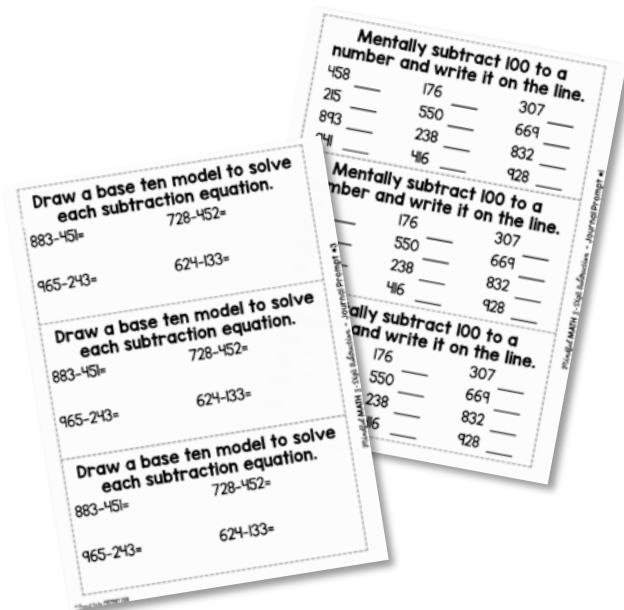


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Math Journals

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!

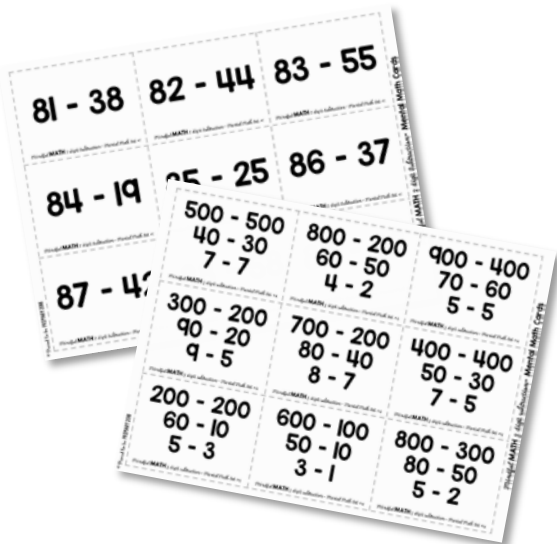


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Mental Math Flashcards

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!

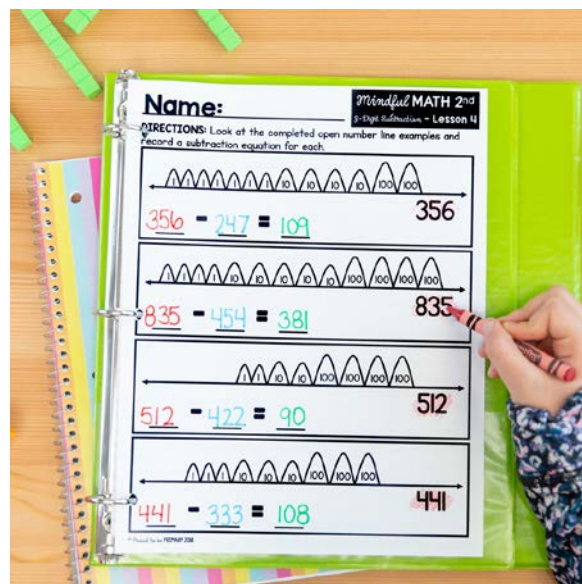
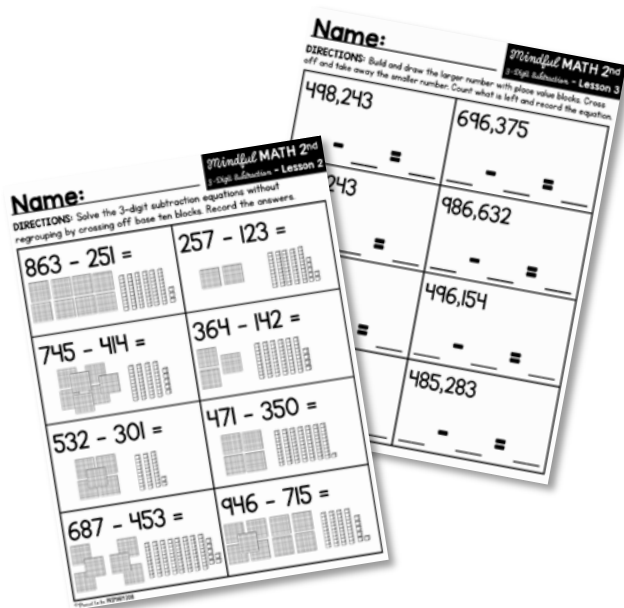


Mindful MATH



Practice Worksheets

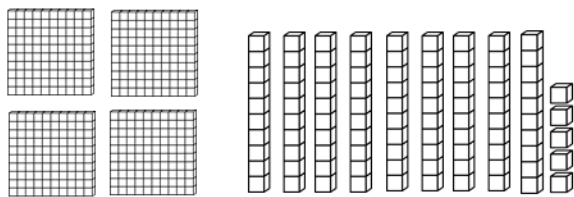
Each lesson includes differentiated worksheets for your students to practice their math skills. Select the no-prep worksheets you wish for your students to complete, and then assign. These versatile pages are engaging, straightforward, and fun to complete.



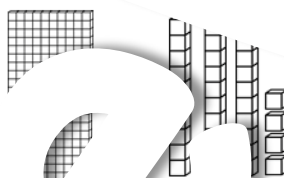
Name: _____

DIRECTIONS: Solve the 3-digit subtraction equations with regrouping by crossing off base ten blocks. Record the answers.

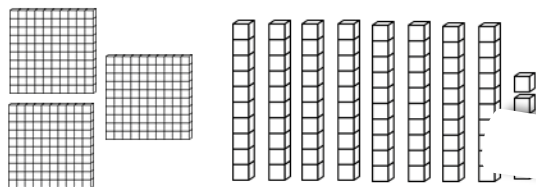
$$495 - 341 =$$



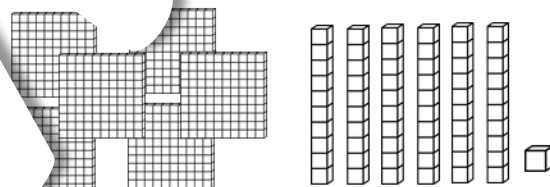
$$234 - 109 =$$



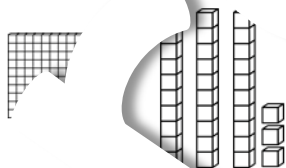
$$388 - 255 =$$



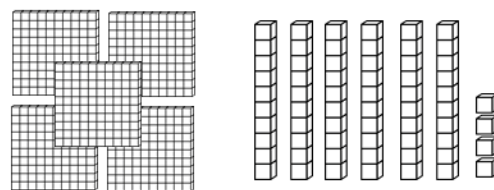
$$600 - 440 =$$



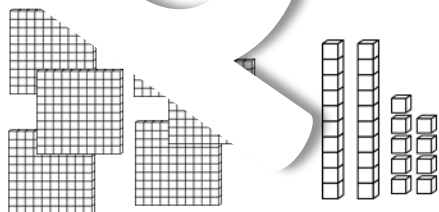
$$133 - 111 =$$



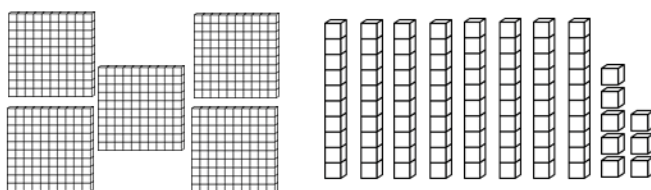
$$564 - 352 =$$



$$620 - 355 =$$

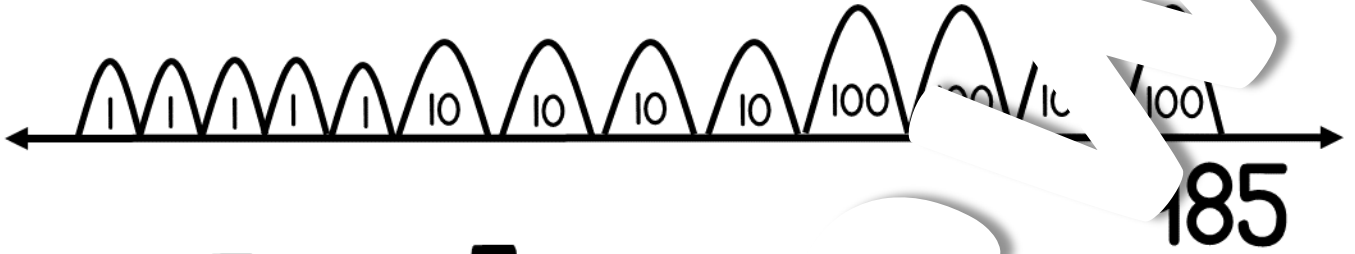


$$588 - 443 =$$



Name: _____

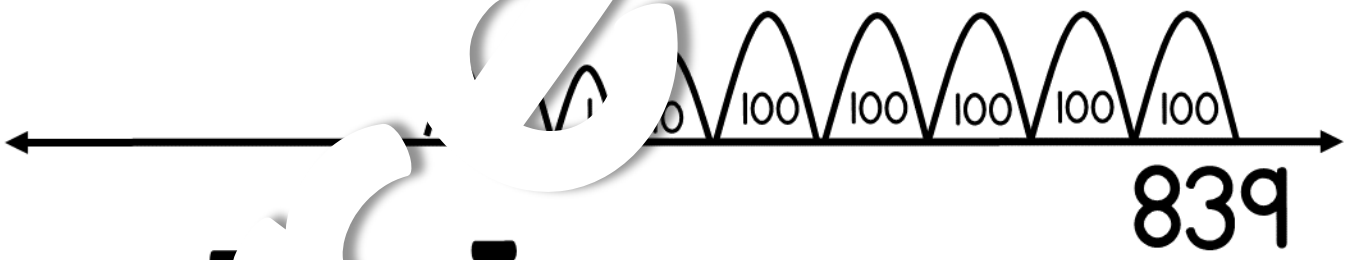
DIRECTIONS: Look at the completed open number line examples and record a subtraction equation for each.



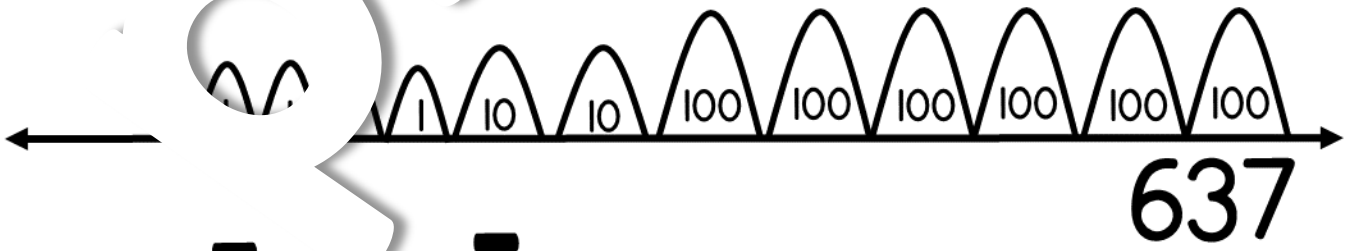
$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$



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



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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 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.

Mindful MATH 2nd
Post-Test - Lesson 3

Name: _____
Date: _____

1. Solve the 3-digit subtraction equations without regrouping by drawing and crossing off base ten blocks (squares, lines, and dots).

$735 - 224 =$ $957 - 542$

$876 - 336$ $699 - 542$

Mindful MATH 2nd
Pre-Test - Lesson 1

Name: _____
Date: _____

1. Count the base ten blocks to find the number and record in the first part of the equation. Cross off a hundreds block to subtract one hundred. Record answer.

$-100 =$ $-100 =$ $-20 =$

Mindful MATH 2nd
Quick Check #1

Mentally subtract one hundred less from a series of numbers given orally.

$932 - 150 =$

Mindful MATH 2nd
Quick Check #2

Solve the 3-digit subtraction equations using base ten models.

$589 - 413 =$ $485 - 451 =$ $441 - 382 =$

Mindful MATH 2nd
Quick Check #3

Solve the 3-digit subtraction equations using drawings.

$713 - 502 =$ $647 - 325 =$ $882 - 591 =$

Mindful MATH 2nd
Quick Check #4

Solve the 3-digit subtraction equations using an open number line.

$572 - 451 =$ $839 - 520 =$ $645 - 337 =$

Mindful MATH 2nd
Quick Check #5

Solve the 3-digit subtraction equations using expanded form.

$759 - 265 =$ $692 - 481 =$ $927 - 115 =$

Mindful MATH 2nd
Quick Check #6

Solve the 3-digit subtraction equations using compensation.

$381 - 572 =$ $689 - 163 =$

Mindful MATH 2nd
Post-Test - Lesson 1

Name: _____
Date: _____

3. Mentally subtract one hundred from each number and record it next to the number.

number -100

$385 - 100 = 285$

$264 - 100 = 164$

$793 - 100 = 693$

$143 - 100 = 43$

$895 - 100 = 795$

Mindful MATH 2nd
Post-Test - Lesson 1

Name: _____
Date: _____

1. Count the base ten blocks to find the number and record in the first part of the equation. Cross off a hundreds block to subtract one hundred. Record answer.

$549 - 100 = 449$

$877 - 100 = 777$

$663 - 100 = 563$

2. Subtract one hundred from each number:

$934 - 100 = 834$ $565 - 100 = 465$ $290 - 100 = 190$ $347 - 100 = 247$

$667 - 100 = 567$ $874 - 100 = 774$ $934 - 100 = 834$ $803 - 100 = 703$

$402 - 100 = 302$ $723 - 100 = 623$ $611 - 100 = 511$ $247 - 100 = 147$

$179 - 100 = 79$ $544 - 100 = 444$ $457 - 100 = 357$ $431 - 100 = 331$

Mindful MATH 2nd
Quick Check #1

Solve the 3-digit subtraction equations using base ten models.

$589 - 413 =$ $485 - 451 =$ $441 - 382 =$

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

Brandi P.



I bought this to try out with my students and I loved the variety of activities. This pack had everything I needed to teach my subtraction unit!

$$\begin{array}{r} 586 \\ - 253 \\ \hline \end{array}$$

The answer is...

333

$$\begin{array}{r} 738 \\ - 305 \\ \hline \end{array}$$

The answer is...

433

Our math units are enjoyed in thousands of classrooms worldwide!

Mindful MATH

aligns to the
standards

- 2.NBT.B.7
- 2.NBT.B.8
- 2.NBT.B.9

This unit aligns to Second Grade Common Core standards and other state and Canadian standards.

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



Mindful MATH 2nd Grade

3-Digit Subtraction – Overview

Correlated to the United States Common Core Standards

Lesson 1	Mentally subtract 100 from a number	2.NBT.B.8
Lesson 2	Subtract 3-digit numbers, using models	2.NBT.B.7 2.NBT.B.9
Lesson 3	Subtract 3-digit numbers, using drawings	2.NBT.B.7 2.NBT.B.9
Lesson 4	Use the “Jump Strategy” to solve 3-Digit Subtraction (number line)	2.NBT.B.7 2.NBT.B.9
Lesson 5	Use the “Split Strategy” to solve 3-Digit Subtraction (expanded form)	2.NBT.B.7 2.NBT.B.9
Lesson 6	Use the “Shortcut Strategy” to solve 3-Digit Subtraction (compensation)	2.NBT.B.7 2.NBT.B.9
Lesson 7	Solving 3-Digit Subtraction using the traditional algorithm	Not mentioned but provides practice in a traditional method.
Lesson 8	Solving 1 to 2-step word Subtraction problems	2.NBT.B.7 2.NBT.B.9

Mindful MATH 2nd Grade

3-Digit Subtraction – Overview

Correlated to the NEW Ontario Grade 2 Math Curriculum

Lesson 1	Mentally subtract 100 from a number	B2.2 & B2.3 use mental math strategies to subtract whole numbers up to 50, and explain the strategies used
Lesson 2	Subtract 3-digit numbers, using models	B2.4 use objects, diagrams, and equations to subtract whole numbers within 100
Lesson 3	Subtract 3-digit numbers, using drawings	B2.4 use objects, diagrams, and equations to subtract whole numbers within 100
Lesson 4	Use the “Jump Strategy” to solve 3-Digit Subtraction (number line)	B2.4 use objects, diagrams, and equations to subtract whole numbers within 100
Lesson 5	Use the “Split Strategy” to solve 3-Digit Subtraction (expanded form)	B2.1 use the properties of subtraction and its relationships to solve problems and check calculations
Lesson 6	Use the “Shortcut Strategy” to solve 3-Digit Subtraction (compensation)	B2.1 use the properties of subtraction and its relationships to solve problems and check calculations
Lesson 7	Solving 3-Digit Subtraction using the traditional algorithm	B2.1 use the properties of subtraction and its relationships to solve problems and check calculations
Lesson 8	Solving 1 to 2-step word Subtraction problems	B2.1 use the properties of subtraction and its relationships to solve problems and check calculations

Mindful MATH 2nd Grade

3-Digit Subtraction – Overview

Correlated to the United States Common Core Standards

Lesson 1	Mentally subtract 100 from a number	addition & subtraction to 100
Lesson 2	Subtract 3-digit numbers, using models	addition & subtraction to 1000
Lesson 3	Subtract 3-digit numbers, using drawings	addition & subtraction to 1000
Lesson 4	Use the “Jump Strategy” to solve 3-Digit Subtraction (number line)	addition & subtraction to 1000
Lesson 5	Use the “Split Strategy” to solve 3-Digit Subtraction (expanded form)	addition & subtraction to 1000
Lesson 6	Use the “Shortcut Strategy” to solve 3-Digit Subtraction (compensation)	addition & subtraction to 1000
Lesson 7	Solving 3-Digit Subtraction using the traditional algorithm	addition & subtraction to 1000
Lesson 8	Solving 1 to 2-step word Subtraction problems	addition & subtraction to 1000

The BC standards for addition & subtraction to 1000 are covered in grade 3. Use this unit to differentiate and challenge those students who have a strong grasp of addition to 100 and are ready to add to 1000.

How to Teach **math** Easily & Effectively

With Elyse from Proud to Be **Primary**

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Mindful **MATH** Curriculum for K-2



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

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Why Mindful MATH

Proud to Be Primary

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.