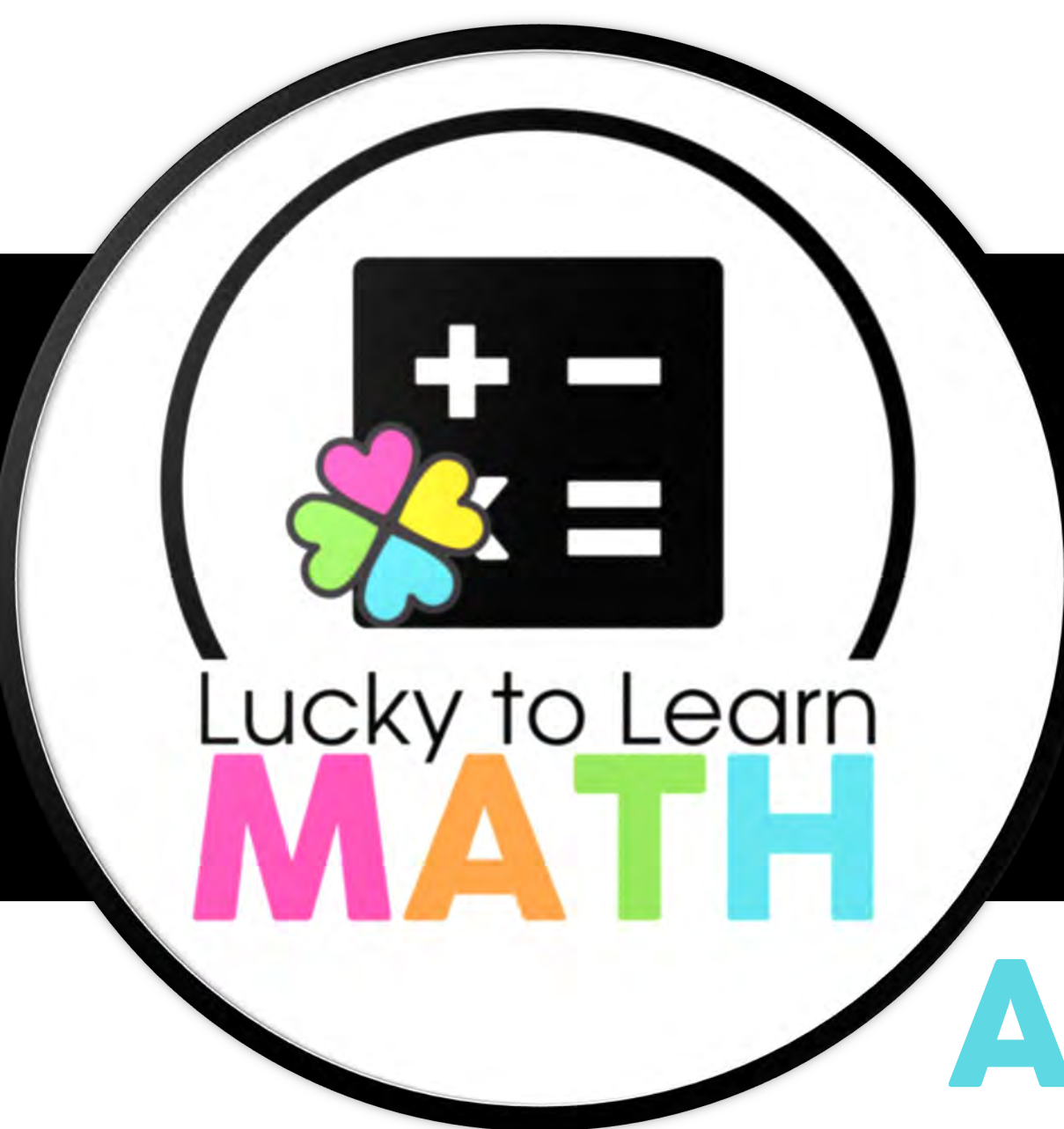


SECOND GRADE

UNIT THREE

2-DIGIT & 3-DIGIT

ADDITION & SUBTRACTION



Why?

This is the hands-on, standards-aligned, collaborative, and engaging 2- & 3-digit unit you've been looking for! This resource can also be used as a supplement to other math programs.



Is your current math curriculum dull and lifeless?

This unit is so engaging! It has factory themed lessons to pique student interest, while also ensuring they master the math.

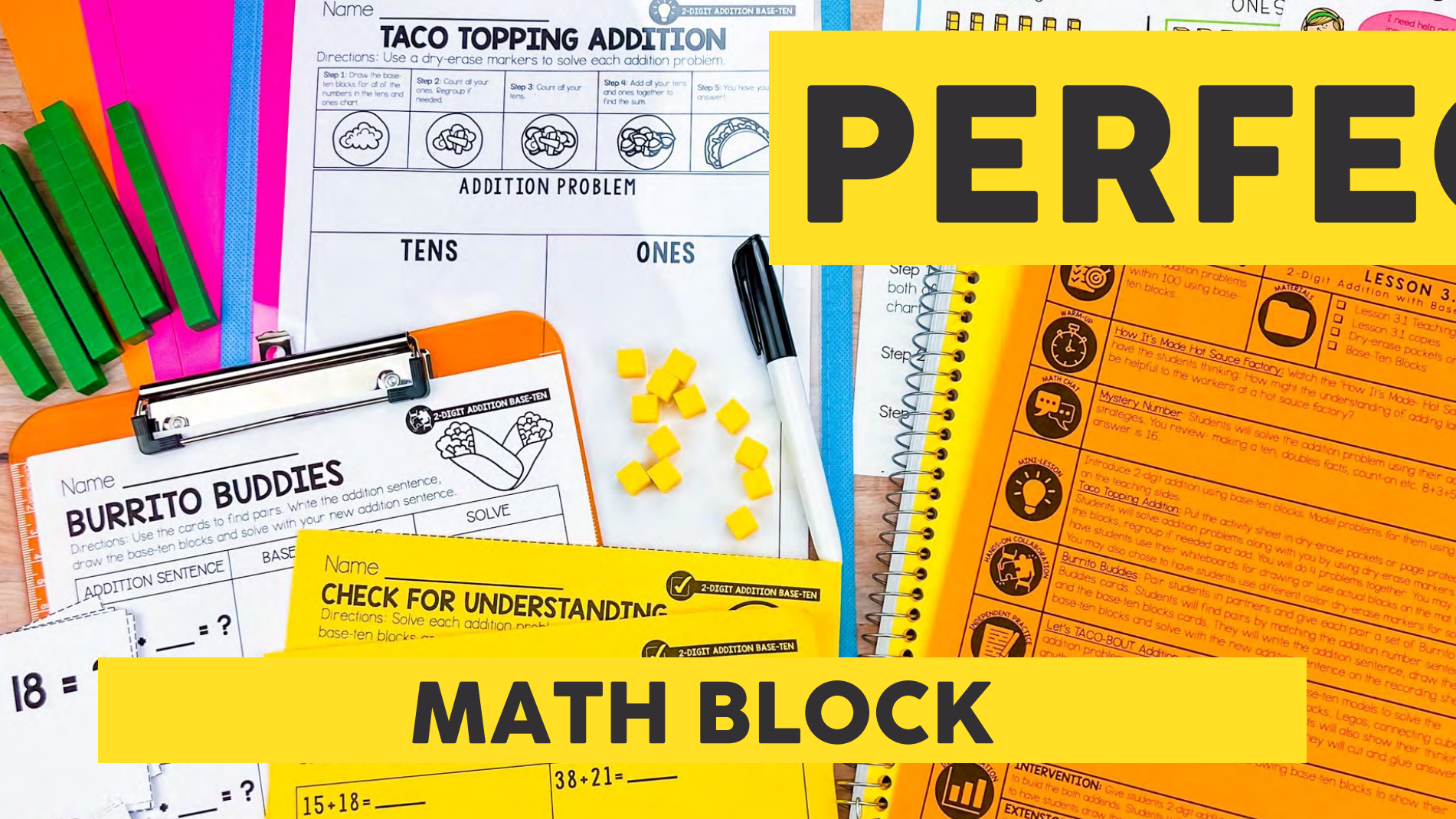
Looking for resources that are easy to prep?

The lesson plans include icons to help you choose which activities to use during the day, and teaching slides that guide you & your students through the lesson.

Wanting your students to love math?

The math block routine will scaffold and guide students to gain deep levels of understanding, feel successful, and love math!

PERFECT FOR



MATH BLOCK



NUMBER TALKS



SUPPLEMENTAL PRACTICE



INTERVENTIONS

WHAT'S INCLUDED?

- Teaching slides
- Lesson plans
- Warm-ups
- Math chats
- Mini lessons
- Collaborations
- Worksheets
- Differentiation
- And so much more!



SKILLS INCLUDED

Aligned to CCSS & TEKS



ADD & SUBTRACT TO 1,000

UNIT OVERVIEW

WEEK ONE

2-DIGIT ADDITION

- 2-Digit Addition: Base-Ten Blocks
- 2-Digit Addition: Expanded Form
- 2-Digit Addition: 100s Chart or Number Line
- 2-Digit Addition: Friendly Numbers
- 2-Digit Addition: Multiple Addends

CC:
2.NBT.1a
2.NBT.2
2.NBT.5
2.NBT.6
2.NBT.7
2.NBT.8
2.NBT.9
2.OA.1

TEKS:
2.1b
2.2a
2.2e
2.4b
2.4c
2.4d
2.7b

WEEK TWO

3-DIGIT ADDITION

- 3-Digit Addition: Base-Ten Blocks
- 3-Digit Addition: Expanded Form
- 3-Digit Addition: Number Line
- 3-Digit Addition: Friendly Numbers
- 3-Digit Addition: Multiple Addends

CC:
2.NBT.1a
2.NBT.2
2.NBT.5
2.NBT.6
2.NBT.7
2.NBT.8
2.NBT.9
2.OA.1

TEKS:
2.1b
2.2a
2.2e
2.4b
2.4c
2.4d
2.7b

WEEK THREE

2-DIGIT SUBTRACTION

- 2-Digit Subtraction: Base-Ten Blocks
- 2-Digit Subtraction: Expanded Form
- 2-Digit Subtraction: 100s Chart or Number Line
- 2-Digit Subtraction: Friendly Numbers

CC:
2.NBT.2
2.NBT.5
2.NBT.7
2.NBT.8
2.NBT.9
2.OA.1

TEKS:
2.1b
2.2a
2.2e
2.4b
2.4c
2.4d
2.7b

WEEK FOUR

3-DIGIT SUBTRACTION

- 3-Digit Subtraction: Base-Ten Blocks
- 3-Digit Subtraction: Expanded Form
- 3-Digit Subtraction: Number Line
- 3-Digit Subtraction: Friendly Numbers

CC:
2.NBT.1a
2.NBT.2
2.NBT.5
2.NBT.7
2.NBT.8
2.NBT.9
2.OA.1

TEKS:
2.1b
2.2a
2.2e
2.4b
2.4c
2.4d
2.7b

UNIT MATERIALS

2-DIGIT SUBTRACTION EXPANDED FORM

$56 - 37$

$50 + 6 \Rightarrow 50 \quad 6$
 $30 + 7 \Rightarrow -30 \quad -7$

$10 \cdot 9$

Step 1: Put both numbers in expanded form.
 Step 2: Subtract the ones (move a ten over if needed).
 Step 3: Subtract the tens.
 Step 4: Put the ones and tens together to find your answer.

2-DIGIT SUBTRACTION BASE-TEN BLOCKS

$56 - 37$

SUBTRACT 30
 SUBTRACT 7

Step 1: Draw the base-10 blocks for the bigger number.
 Step 2: Subtract the ones (ungroup a ten if needed).
 Step 3: Subtract the tens.

$56 - 37 = 19$

Anchor charts

Binder cover

Lucky to Learn **MATH**

UNIT 3
2-DIGIT & 3-DIGIT
 ADDITION & SUBTRACTION STRATEGY FACTORY

MATH CHAT EXPECTATIONS

- 1 BE RESPECTFUL**
Treat everyone in our classroom with respect- including yourself. All answers are valid and we all learn from mistakes.
- 2 THINKING TIME**
When a problem is shown, we won't shout about it yet. We will use silent thinking time to think about the problem on our own.
- 3 TRY YOUR BEST**
Use quiet thinking time to try your best and solve the problem. Do not give up! Our goal is to learn.
- 4 STRATEGIES**
When you think of a way to solve the problem, thumbs-up at your chest. Keep thinking of more strategies and raise more fingers for more strategies.
- 5 LET'S CHAT!**
Once we have had plenty of silent thinking time, we will share our strategies with the class and just like in our math class, all answers are shared and talked about by everyone.

MATH CHAT HAND SIGNALS

	I am thinking.
	I have an answer.
	I have more than one strategy.
	I agree!
	I have a different answer or strategy.

Math Chat posters

Name _____ Date _____

ADDITION TO 1,000 ASSESSMENT

Solve by using base ten and showing your thinking.

$24 + 37 =$ _____ $255 + 168 =$ _____

Solve using friendly numbers. Solve and show your thinking on the chart. Solve using expanded form.

$55 + 78$ $33 + 39 =$ $674 + 256 =$

$495 + 231 =$ _____ $623 - 244 =$ _____

$44 + 28 =$ _____ $135 + 346 =$ _____

SUBTRACTION TO 1,000 ASSESSMENT

Solve by using base ten and showing your thinking.

$53 - 35 =$ _____ $242 - 98 =$ _____

Solve using friendly numbers. Solve and show your thinking on the chart.

$85 - 38$ $68 - 29 =$

$623 - 244 =$ _____

Unit assessments

STICKY SUBTRACTION

OPTION 1: STUDENTS COLOR
 Directions: Print on white paper. One sheet per student. Students will solve the problems using the strategy on each apple and then color, cut, and glue it on a popsicle stick or brown paper to glue on the back/top for the stick.

OPTION 2: PRINT ON COLOR PAPER
 Directions: Print on red or green paper. 1 page per child (plus 1 caramel for the front). Solve the problems using the strategy listed on each apple. Glue together to make a caramel apple. Use a popsicle stick or brown paper to glue on the back/top for the stick.

BASE-TEN BLOCKS
 $41 - 22 =$ _____

NUMBERLINE
 $52 - 15 =$ _____

STICKY SUBTRACTION
 NAME _____

Apple: color red or green.
 Caramel: color tan.

Apple: color red or green.
 Caramel: color tan.

Apple: color red or green.
 Caramel: color tan.

Apple: color red or green.
 Caramel: color tan.

Craftivities

base-ten blocks
 blocks used to show represent a number

strategy
 A way to solve a problem

model
 Help us represent or show how to solve a number or word problem

equation
 A number sentence.

base-ten blocks
 blocks used to show represent a number

number line
 used to show numbers in order

base-ten blocks
 used to represent the value of a number

friendly numbers
 numbers that is easy to

base-ten blocks
 two addends that equal ten

Vocabulary cards

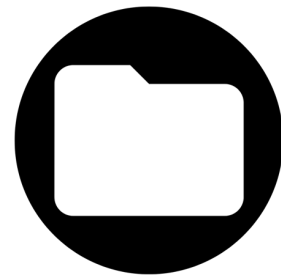
MATH UNIT ICONS

These icons are on each piece of the curriculum to help you stay organized and help students learn the routine!

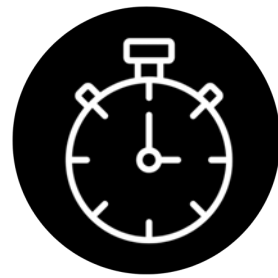
ICON KEY



OBJECTIVE



MATERIALS



WARM UP



MINI LESSON



MATH CHAT



HANDS-ON
COLLABORATION



INDEPENDENT
PRACTICE



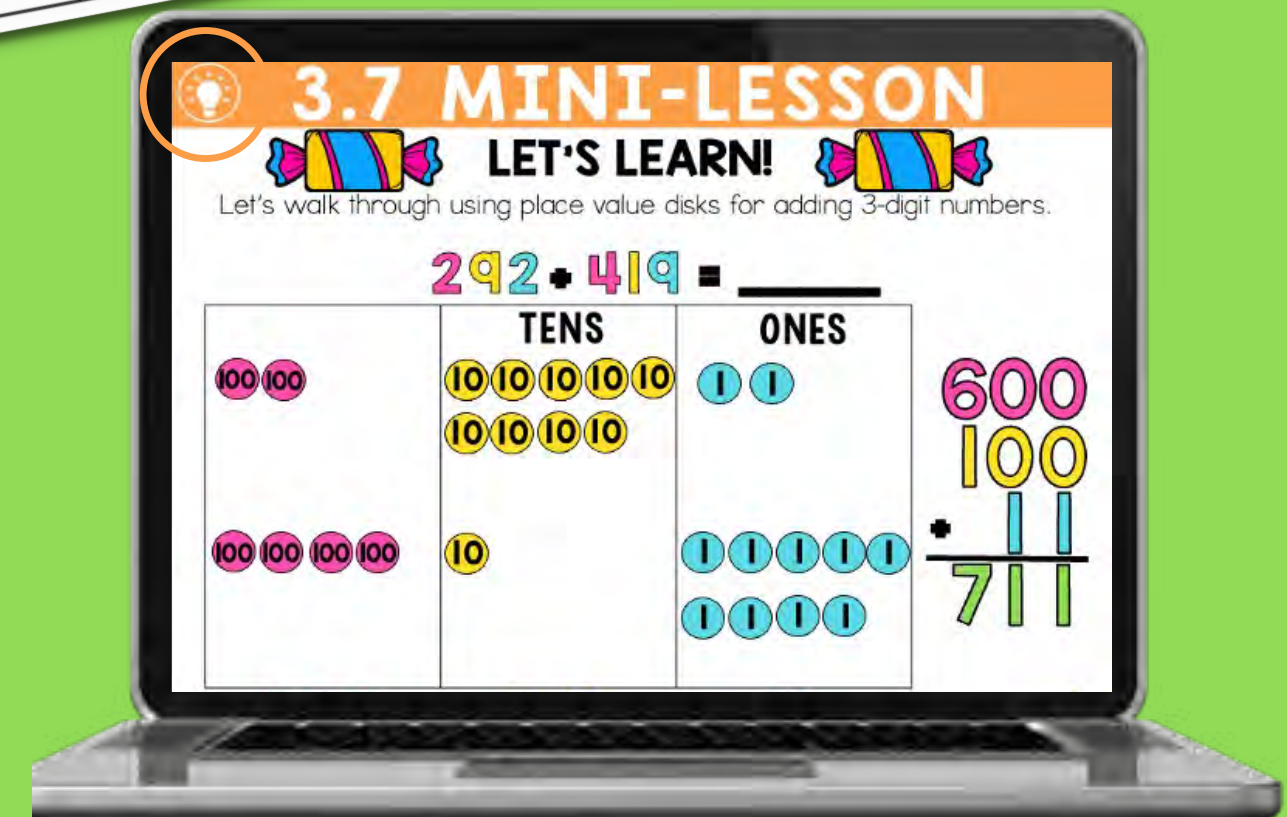
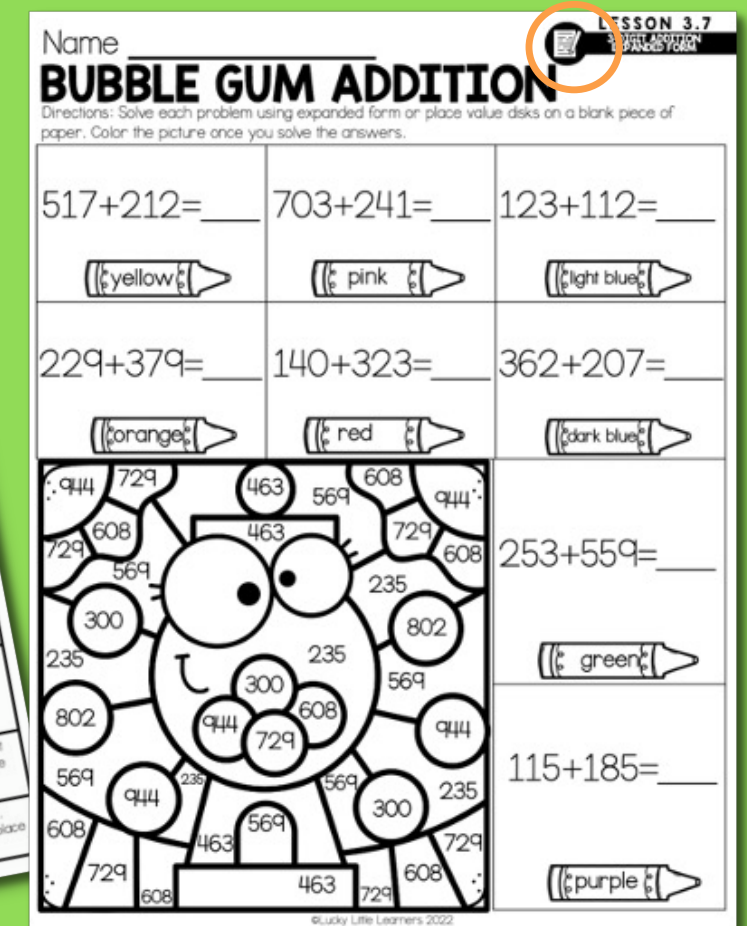
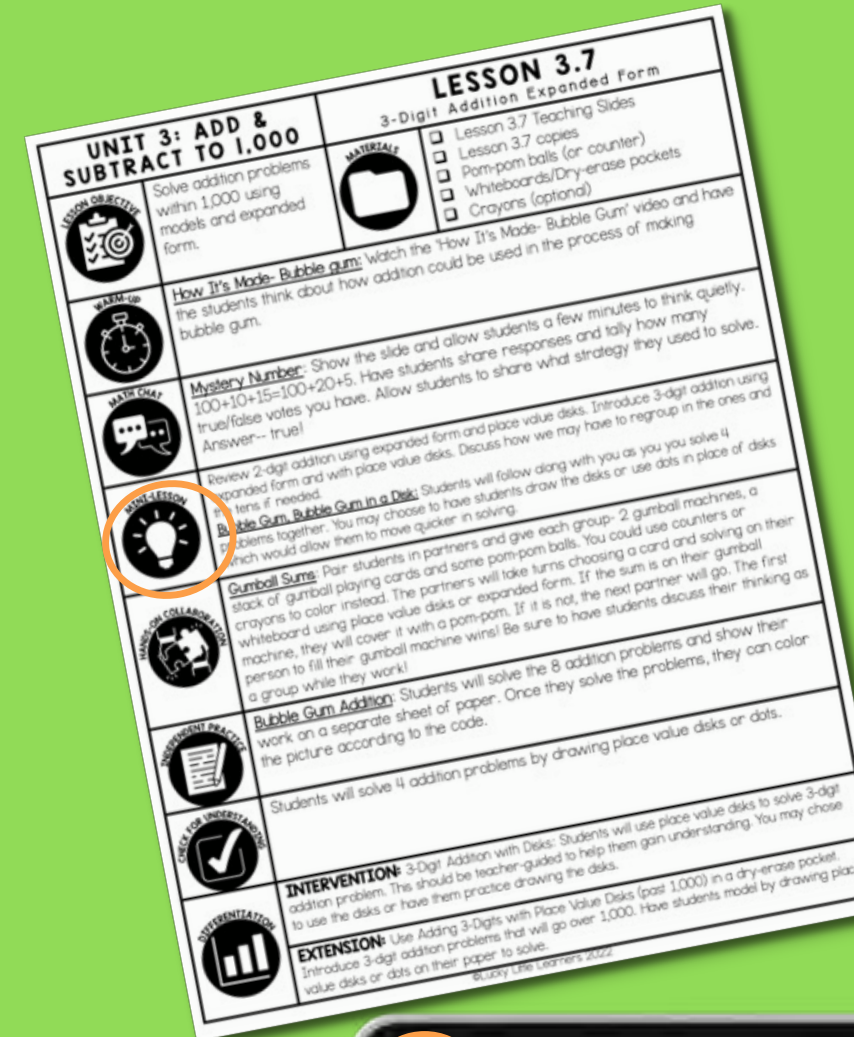
CHECK FOR
UNDERSTANDING



DIFFERENTIATION



BONUS



LESSON PLANS

Clear lesson objective

List of materials

Teaching slides included for each part of the lesson

UNIT 3: ADD & SUBTRACT TO 1,000		LESSON 3.5 2-Digit Addition Review with Addends	
	Solve addition problems with multiple addends within 100 and explain the strategy that I used.		<input type="checkbox"/> Lesson 3.5 Teaching Slides <input type="checkbox"/> Lesson 3.5 copies <input type="checkbox"/> Dice <input type="checkbox"/> Counters or game pieces <input type="checkbox"/> Whiteboards
	How It's Made Pizza: Watch the How It's Made- Pizza video and have the students thinking about how addition might be used from the pizza factory to the pizza shop.		
	Math is Fun: Students will solve the chef word problem by adding multiple addends. Discuss various strategies the students may have used to solve the word problem. Answer: $16+10+24=50$ pizzas		
	Review the 2-digit addition strategies we have learned so far. Cooking Up Addition Strategies: Solve the addition problems with your students, guiding them through each strategy again. Introduce how we can use these same strategies to add 3 or 4 addends!		
	Race to the Pizza Oven: Students will work with a partner to practice using addition strategies. They will spin the spinner to determine the strategy to use on their whiteboards, both students will write and solve the addition problem then roll a die to determine how many spaces to move their game piece. If the answers do not match, students will work together to figure out the error. The first person to reach "FINISH" wins, but you have to spin the EXACT number of spaces to move there.		
	Mama Mia, Addition Pizza! Students solve the addition problems and color using the code. Student may choose which strategy they would like to use while solving each problem.		
	Students will solve addition problems using the strategy of their choice. There are 2 problems and 2 spaces for explaining their strategy.		
	INTERVENTION: Use <i>Pizza Shop Word Problems</i> to have students practice solving 2-digit addition problems with multiple addends. If students need support, guide them step-by-step through each problem. If students show success, allow them to complete the page independently then review together. Have students share strategies they used to solve each problem. EXTENSION: Students will solve each problem using a different strategy.		

UNIT 3: ADD & SUBTRACT TO 1,000		LESSON 3.18 3-Digit Subtraction on a Number Line	
	Solve subtraction problems within 1,000 using a number line.		<input type="checkbox"/> Lesson 3.18 Teaching Slides <input type="checkbox"/> Lesson 3.18 copies <input type="checkbox"/> Dry-Erase supplies
	Louisville Slugger Factory: Watch the video about baseball bats and have students think about how subtraction could be used in baseball from making the bats to playing the game.		
	Word Problem: The bat factory made 924 wooden bats and 476 aluminum bats. How many more wooden bats did the factory make? Students will subtract $924-476=448$.		
	Review subtracting 2-digit numbers on a number line and introduce using number lines to subtract 3-digit numbers. Explain that students can make individual jumps of 100, 10 and 1 or they can group those. Instead of making 3 jumps of 100, they can make one jump of 300. Pre-Game Warm-Up Drills: Walk students through the steps of subtracting 3-digit numbers on a number line for these 4 problems.		
	Grand Slam Subtraction Scoot: Laminate the task cards prior to use. Students will work with a partner or a small group. The task cards can be set up like a scoot activity where students rotate from card to card or you can use it as a walk the room. Students will solve the problem on the cards with dry-erase markers and then write the problem on their recording sheet.		
	Baseball Line-Up: Students will solve the subtraction problems on number lines – they can choose to do individual hops or group their hundreds, tens and ones.		
	Students will solve subtraction problems using number lines.		
	INTERVENTION: Students will figure out what the subtraction problem is by counting on. They will also write in the missing numbers to solve the subtraction problem. EXTENSION: Students will solve the puzzles by filling in the missing space. Rectangles are missing answers (differences) while the hexagon spaces are missing minuends.		

Math chat (number talk) in each lesson

Quick warm-up in each lesson

Collaborative hands-on tasks

Skill-focused mini lesson

Independent practice

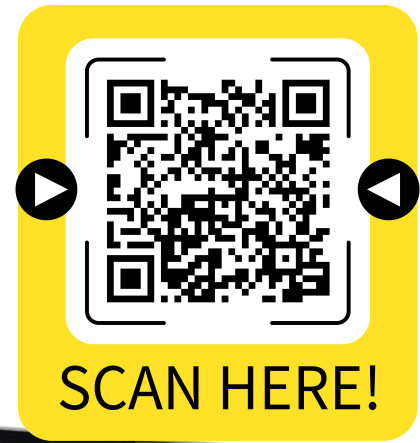
Quick assessments

Materials have matching icons for routine & easy organization

Differentiation options

Weekly Email FREEBIES!

Grab a cup of coffee and take a few minutes with our weekly newsletter created just for teachers like you.



About Lucky Little Learners



Angie Olson has many years of classroom experience teaching grades kindergarten, first, and second grade. She earned her master's degree in mathematics and has presented for a variety of conferences at the national, state, and local levels. Over the years, Angie has employed teachers to help with Lucky Little Learners. She is proud of her talented team who strives to support the teaching community with her. Lucky Little Learners has created over 25,000 resources that are available in the All Access membership. Lucky Little Learners is also a top seller on Teachers Pay Teachers.