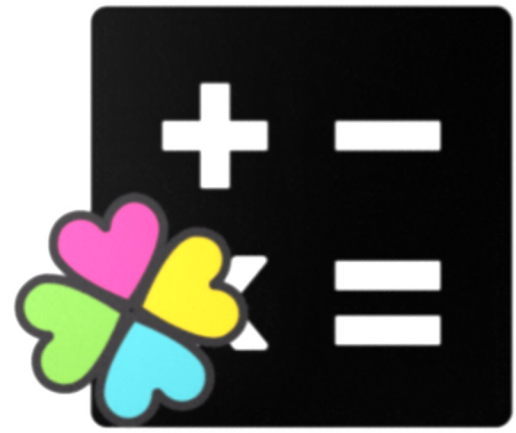
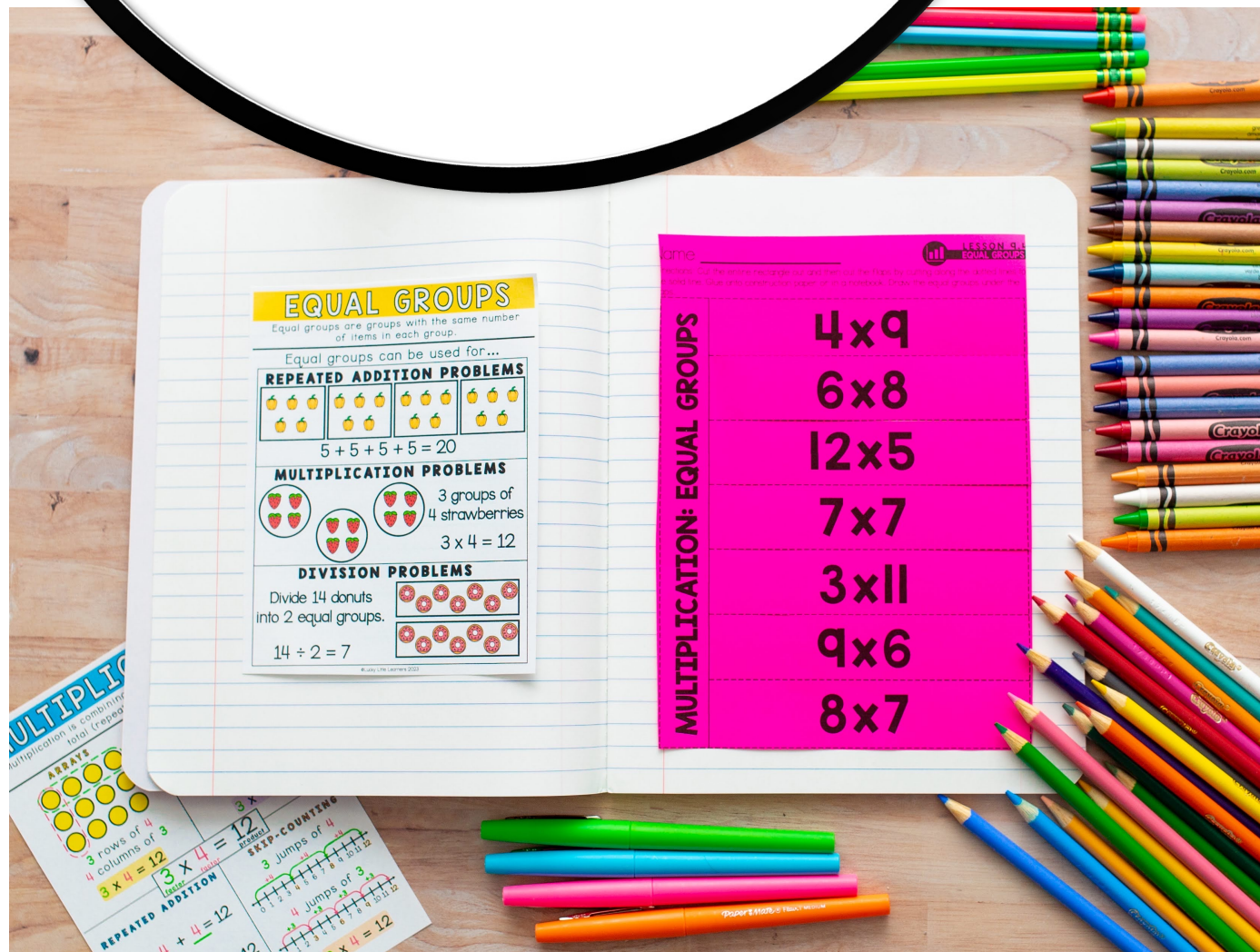


SECOND GRADE

UNIT NINE MULTIPLICATION & ARRAYS



Lucky to Learn
MATH



Why?

This is the hands-on, standards-aligned, collaborative, and engaging multiplication 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 hobby - 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



MULTIPLICATION

UNIT OVERVIEW

REPEATED ADDITION & EQUAL GROUPS

WEEK ONE

- Skip Counting
- Repeated Addition
- Adding Equal Groups
- Introduction of Multiplication

CC:
2.OA.4
2.NBT.2

TEKS:
2.6a
2.7a

ARRAYS

WEEK TWO

- Rows and Columns
- Arrays
- Repeated Addition with Arrays
- Making Arrays

CC:
2.OA.4
2.NBT.2

TEKS:
2.6a
2.7a

MULTIPLICATION AND DIVISION

WEEK THREE

- Arrays and Multiplication
- Multiply by 2s and 3s
- Multiply by 5s and 10s
- Connecting Multiplication to Division
- Unit Review

CC:
2.OA.4
2.NBT.2

TEKS:
2.6a
2.6b
2.7a

UNIT MATERIALS

Anchor charts

Binder cover

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 solve 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, share our strategies with the class and just listen. All answers are shared and talked about before we move on.

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

Unit assessments

Craftivities

Vocabulary cards

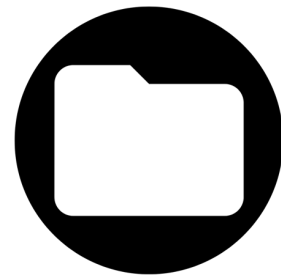
MATH UNIT ICONS

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

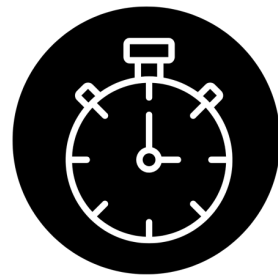
ICON KEY



OBJECTIVE



MATERIALS



WARM UP



MINI LESSON



MATH CHAT



HANDS-ON COLLABORATION



INDEPENDENT PRACTICE



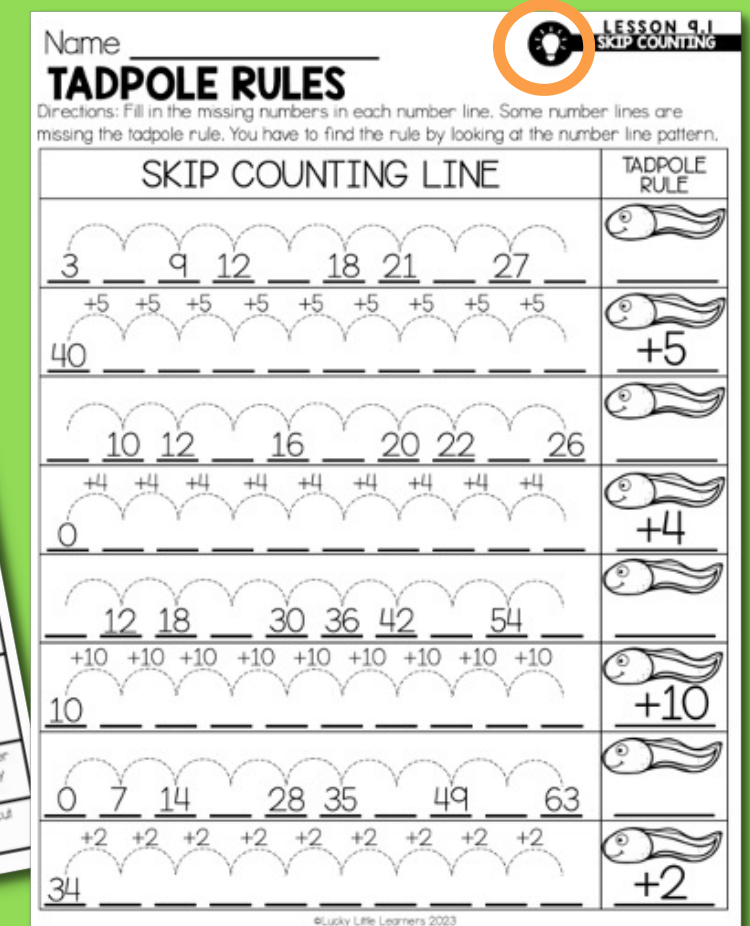
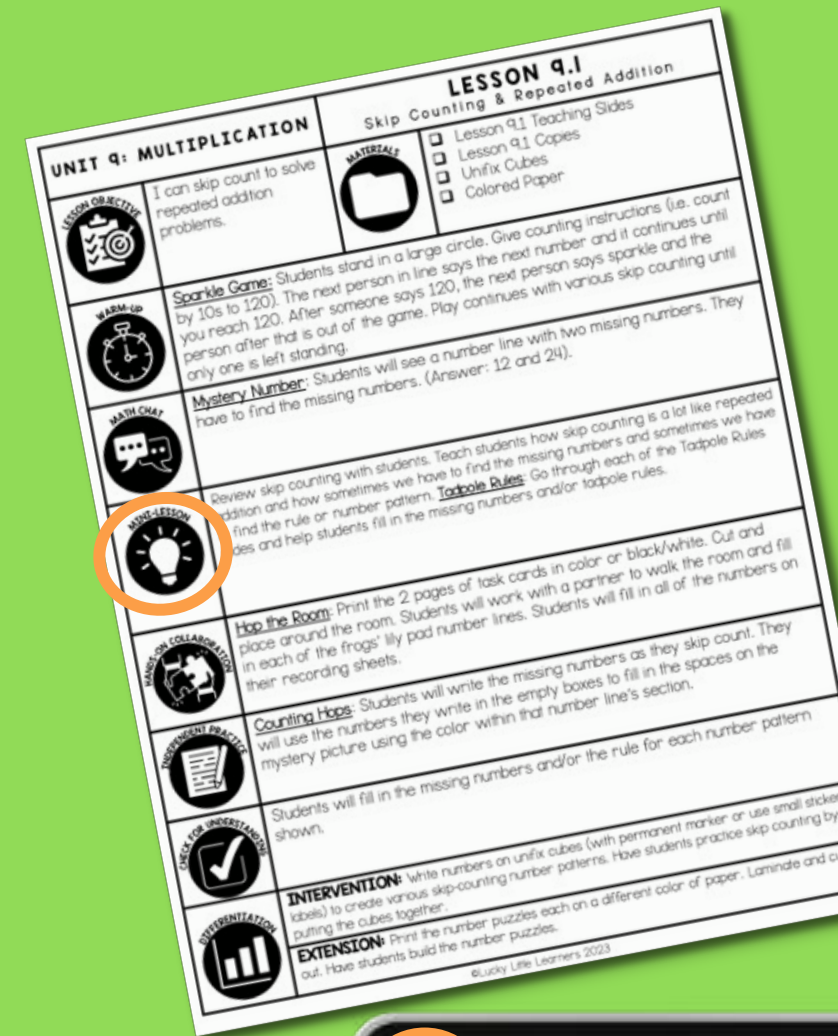
CHECK FOR UNDERSTANDING



DIFFERENTIATION



BONUS



LESSON PLANS

Clear lesson objective

List of materials

Teaching slides included for each part of the lesson

MULTIPLICATION		LESSON 9.2 Repeated Addition	
	I can solve repeated addition problems.		<ul style="list-style-type: none"> Lesson 9.2 Teaching Slides Lesson 9.2 Copies Spinners or paper clips
	Finding My Berry Buddy: Print the 3 pages of cards (total of 24 cards) in color or black/white. Cut and pass out 1 card per student. Students will find their match. When they do, they can be seated together. When everyone has a partner, go over each pair of cards as a class and discuss.		
	True or False: Students will see a repeated addition number sentence ($2+2+2+2+2+2=12$) and they have to determine if it is true or false. Answer: False. The answer would be 14.		
	Review skip counting and discuss how it relates to repeated addition. Practice using repeated addition with equal groups (this will be related to multiplication in the next lesson). Math at the Strawberry Fields: Work as a whole group using the teaching slides to complete this activity. The first four slides will show students equal groups and they have to write the repeated addition sentence to match (walk them through counting the groups and drawing the blank lines for addends and then counting the objects and writing in the addends). The last two slides will show a repeated addition sentence and students will draw equal groups to match.		
	Spinning For Strawberry Seeds: Have students work in partners to play this game. They will need a recording sheet, but they will share a spinner. For each round, both students will draw that many seeds on each strawberry. They write the repeated addition sentence and find the total. Then, they compare totals and circle the player with the higher sum for each round. At the end of 6 rounds, they see who won the most rounds and that player is the winner.		
	Repeated Addition at the Strawberry Patch: Students will reach each strawberry patch customer's repeated addition sentence. They will find the equal groups picture (half-sheet) that matches and glue it down. Then, they will find the sum.		
	Students will write the repeated addition sentences for the first two problems where equal groups are shown. Then, students will draw the equal groups to match the repeated addition sentence that is shown.		
	INTERVENTION: Equal Groups in the Garage Addition: Students will count the equal groups and write a repeated addition sentence to match. EXTENSION: Equal Groups in the Garage Multiplication: Students will count the equal groups and write the multiplication sentence to match.		

MULTIPLICATION		LESSON 9.9 Making Arrays with Repeated Addition	
	I can model, create and use arrays to solve repeated addition problems.		<ul style="list-style-type: none"> Lesson 9.9 Teaching Slides Lesson 9.9 Copies Buzzer or teacher bell Dry-erase pocket & Whiteboards Clipboards Index cards & hole punch Lego bricks or building blocks
	Addition Array Master Game: Split the class into 2 groups and have them sit in lines. The front 2 students stand and face the teacher. Show the students an array card. The first student to hit the buzzer states a corrected repeated addition sentence stays in the game and goes to the back of the line. If a student did not, sits out until a new game begins. Continue playing until there is one Addition Array Master! To keep students interested, want students to get out, teams can earn points for every correct answer but all students stay in the game.		
	Think About It: Introduce the first stage of the life cycle--eggs. Allow students a few seconds to read the problem and look at the picture. When most students have their thumb on their chest, you may have students share answers. Students should defend their answer. Answer- There are 4 eggs in each row.		
	Use the slides to review. Show the different ways to draw or make arrays for a repeated addition problems. Review that doubles facts would only show 1 type of array because it would be the same. Drawing Egg Sac Arrays: Introduce the next stage in this life cycle- egg sac. Work together using the slides and worksheet. Students will slide their paper into a dry-erase pocket. They will draw an array to match each repeated addition sentence and solve. Have students try drawing their arrays in circles so they look like eggs in the sac! When students have solved they will raise their hand and you can have a student share their work with the class. You could have students draw examples on the board or stand and show the array. Use this time to review and discuss different examples of arrays. Answers: $4+4+4=12$, $3+3+3+3=15$, $5+5+5+5+5=30$, $2+2+2+2+2=10$, $7+7+7=21$ and $6+6+6=18$.		
	Spiderling Scoot: Introduce the next stage in this life cycle is- spiderling! Copy and hang the spiderling cards around the classroom. Divide students into partners to walk around the classroom with a clipboard and recording sheet. Students will read each repeated addition sentence on the spiderling cards. Then draw an array to match the repeated addition sentence on the recording sheet.		
	Color Spider Web Arrays: Introduce the last stage in this life cycle- spider! Students will draw an array to match each repeated addition sentence and solve. Then use the code to color the picture.		
	Students will draw an array to match each repeated addition sentence and solve.		
	INTERVENTION: Divide students into partners. Give each student some index cards and a hole punch. Have each student write a repeated addition sentence on their index card, but do not write the sum. Have partners trade index cards and use the hole punch to make the array and solve the number sentence. When partners are finished, they can check one another's work and discuss. Have partners repeat these steps until they are comfortable with the process. EXTENSION: In a small group, have each student use their whiteboards & markers. You will use a brick or building block. Students will write the multiplication sentence that matches each Lego brick. For example, if you hold up a brick with 2 rows of 4. students would write $2 \times 4 = 8$ or $4 \times 2 = 8$. Increase in difficulty as needed.		

Math chat (number talk) in each lesson

Quick warm-up in each lesson

Collaborative hands-on tasks

Skill-focused mini lesson

Independent practice

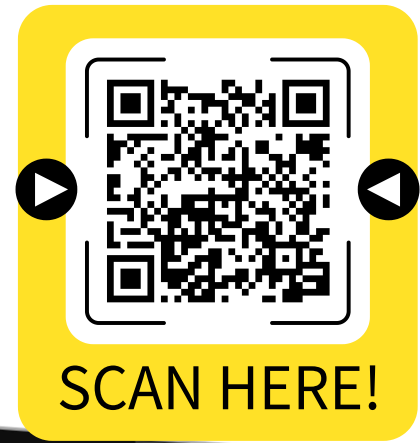
Quick assessments

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.