Lucky to Learn MATH

FIRST GRADE MATH

SHAPES & FRACTIONS

KEEP SCROLLING TO TAKE A LOOK INSIDE THIS RESOURCE!

Why?
Lucky to Learn MATH

This is the hands-on, standards-aligned, collaborative, and engaging math resource you've been looking for!

This resource can be used as a supplement to any math program, or as a complete curriculum. Includes: teaching slides, lesson plans, math chats, mini lessons, collaborations, worksheets, assessments, exit tickets, anchor charts, and more!

1 Is your current math curriculum dull and lifeless?

These units are engaging! They include themed lessons to pique student interest, while also ensuring they master the math standards.

2 Looking for resources that are easy to prep?

The activities are low-prep or no-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.

3 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!

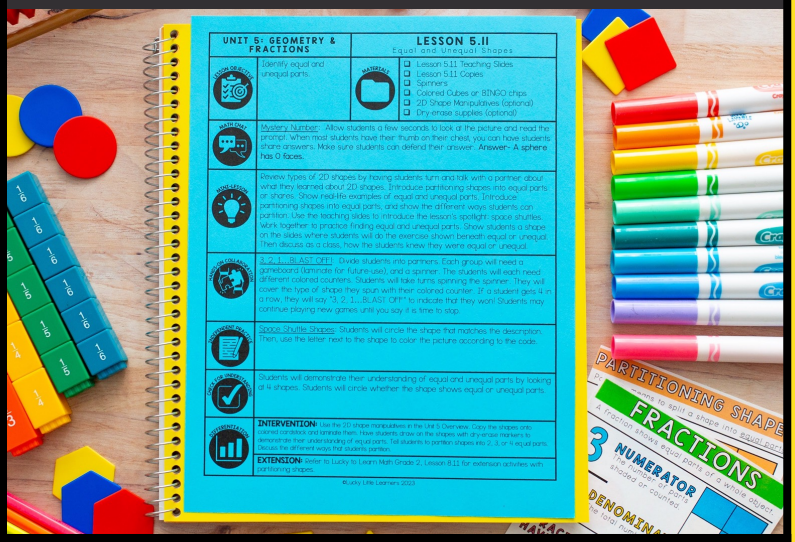
PERFECT FOR...

Math block

Supplemental practice

Hands-on learning

Easy lesson planning

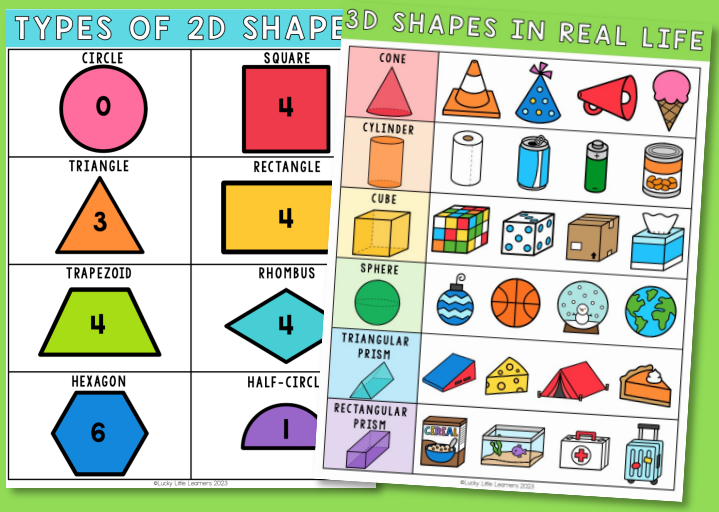


Number talks

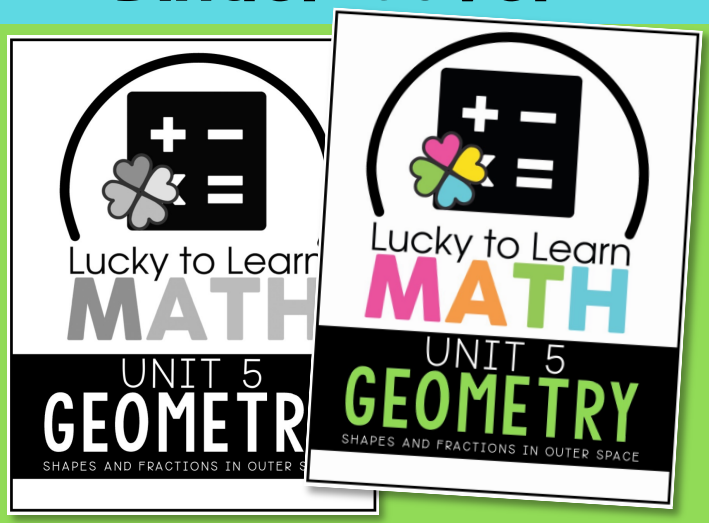
Science integration

UNIT MATERIALS

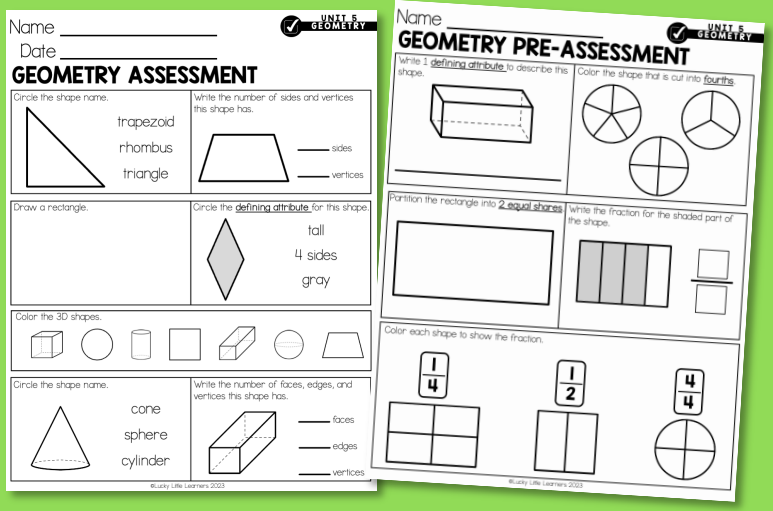
Anchor Charts



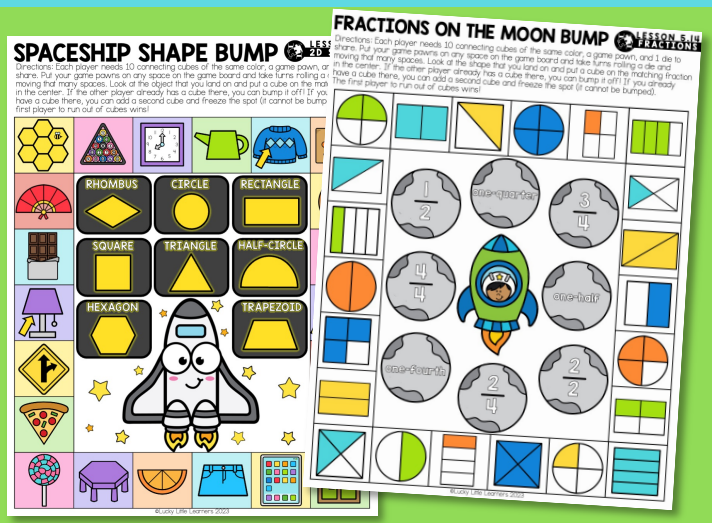
Binder cover



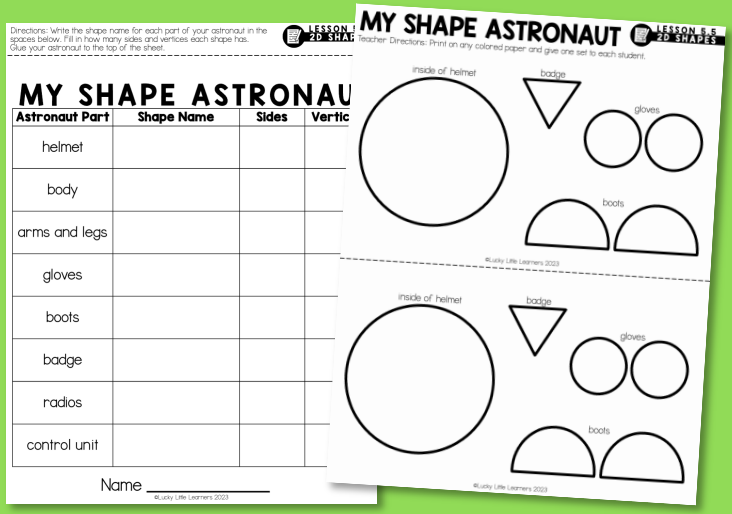
Pre & Post Assessment



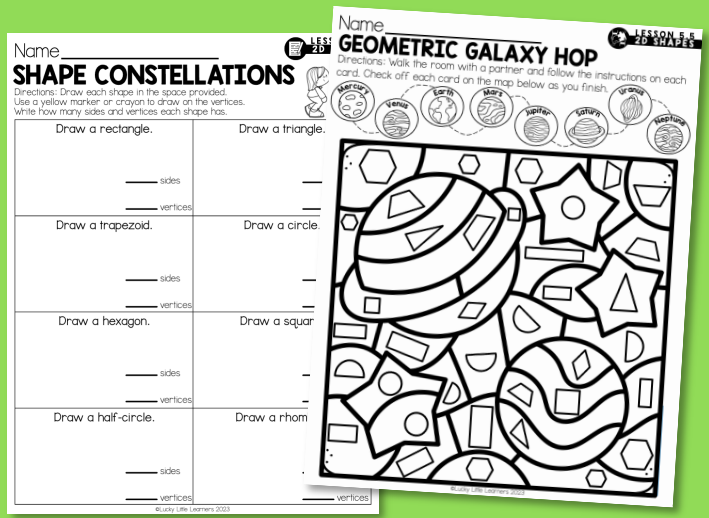
Collaborative Games



Craftivity



Independent Work



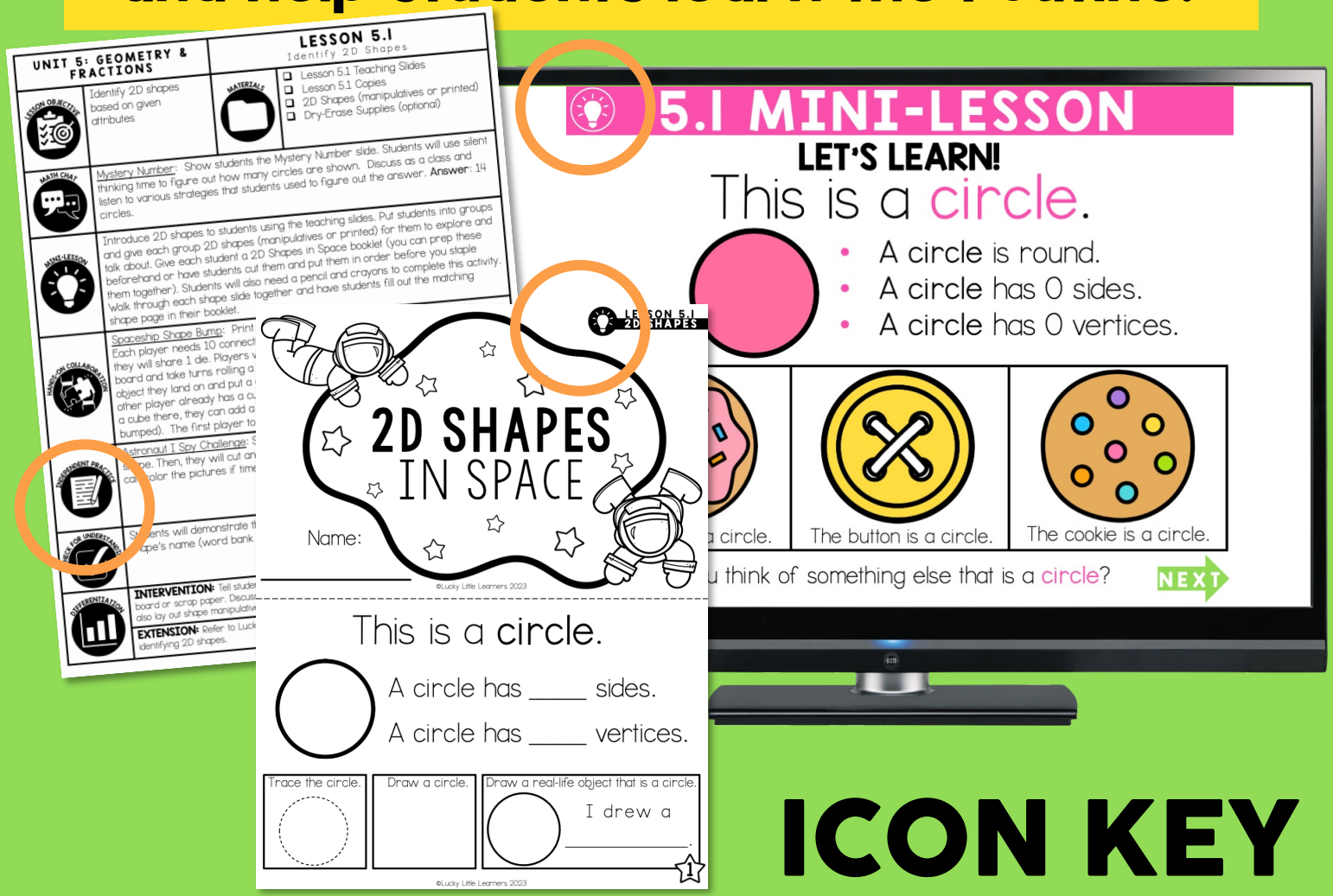
GEOMETRY & FRACTIONS

UNIT OVERVIEW

WEEK ONE	
LESSON 5.1	I can identify 2D shapes based on given attributes.
LESSON 5.2	I can identify and describe 2D shapes.
LESSON 5.3	I can construct 2D shapes.
LESSON 5.4	I can classify and sort 2D shapes.
LESSON 5.5	I can identify and draw 2D shapes based on given attributes.
WEEK TWO	
LESSON 5.6	I can identify 3D shapes based on given attributes.
LESSON 5.7	I can identify and describe 3D shapes.
LESSON 5.8	I can construct 3D shapes.
LESSON 5.9	I can classify and sort 3D shapes.
LESSON 5.10	I can identify 3D shapes based on given attributes.
WEEK THREE	
LESSON 5.11	I can identify equal and unequal parts.
LESSON 5.12	I can identify fractions and partition shapes into halves.
LESSON 5.13	I can identify fractions and partition shapes into fourths/quarters.
LESSON 5.14	I can identify fractions and partition shapes into equal shares.
LESSON 5.15	I can identify 2D and 3D shapes. I can describe equal shares.

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	MINI LESSON	MATH CHAT
HANDS-ON COLLABORATION	INDEPENDENT PRACTICE	CHECK FOR UNDERSTANDING	DIFFERENTIATION

LESSON PLANS

Clear lesson objective

Teaching slides included for each part of the lesson

List of materials

Math chat (number talk) in each lesson

Skill-focused mini lesson

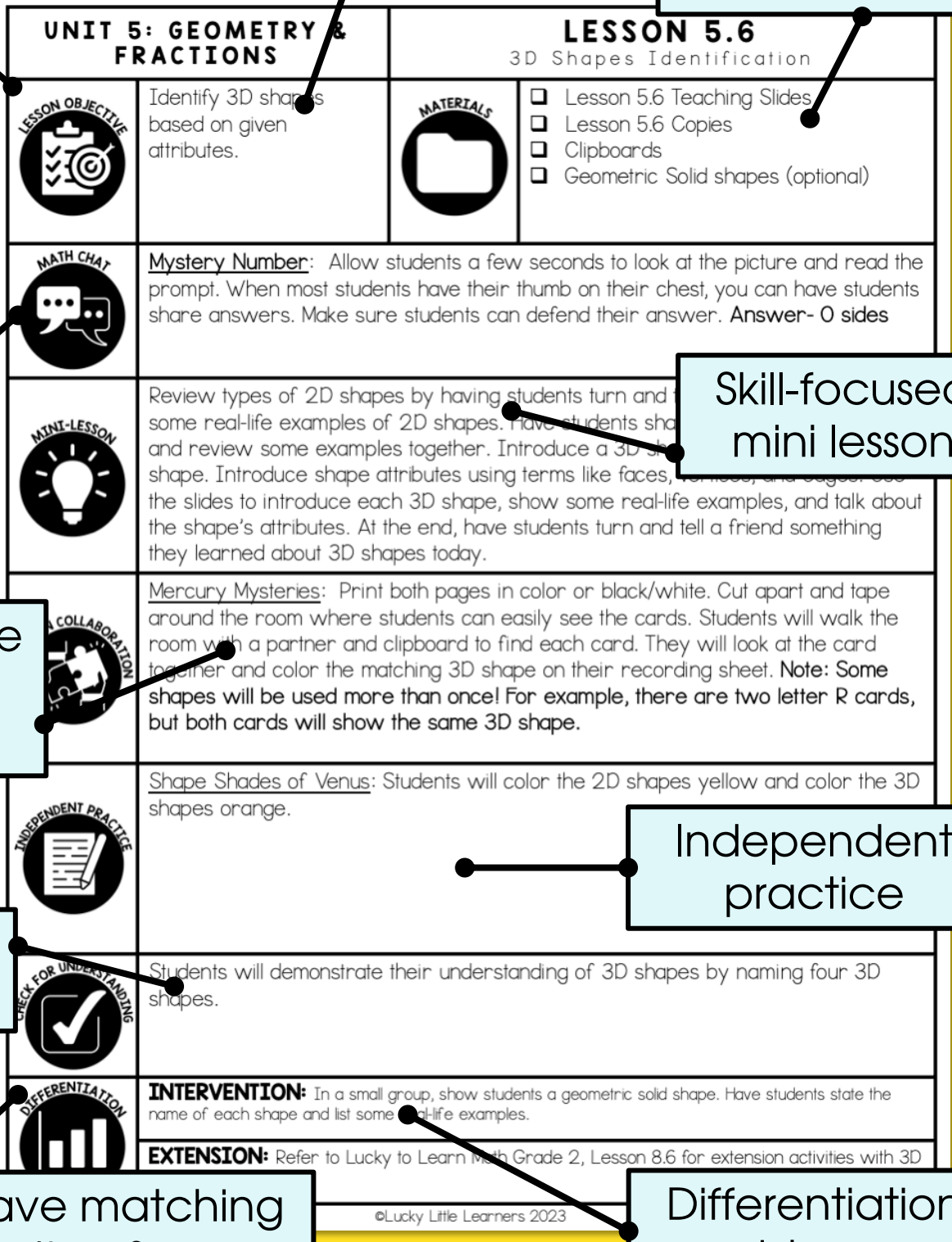
Collaborative hands-on tasks

Independent practice

Quick assessments

Materials have matching icons for routine & easy organization

Differentiation ideas



UNIT 5: GEOMETRY & FRACTIONS

LESSON 5.6
3D Shapes Identification

LESSON OBJECTIVE
Identify 3D shapes based on given attributes.

MATERIALS
- ❑ Lesson 5.6 Teaching Slides
- ❑ Lesson 5.6 Copies
- ❑ Clipboards
- ❑ Geometric Solid shapes (optional)

MATH CHAT
Mystery Number: Allow students a few seconds to look at the picture and read the prompt. When most students have their thumb on their chest, you can have students share answers. Make sure students can defend their answer. **Answer- 0 sides**

MINI-LESSON
Review types of 2D shapes by having students turn and t
some real-life examples of 2D shapes. Have students sha
and review some examples together. Introduce a 3D sh
shape. Introduce shape attributes using terms like faces,
the slides to introduce each 3D shape, show some real-life examples, and talk about the shape's attributes. At the end, have students turn and tell a friend something they learned about 3D shapes today.

COLLABORATION
Mercury Mysteries: Print both pages in color or black/white. Cut apart and tape around the room where students can easily see the cards. Students will walk the room with a partner and clipboard to find each card. They will look at the card together and color the matching 3D shape on their recording sheet. **Note: Some shapes will be used more than once! For example, there are two letter R cards, but both cards will show the same 3D shape.**

INDEPENDENT PRACTICE
Shape Shades of Venus: Students will color the 2D shapes yellow and color the 3D shapes orange.

CHECK FOR UNDERSTANDING
Students will demonstrate their understanding of 3D shapes by naming four 3D shapes.

DIFFERENTIATION
INTERVENTION: In a small group, show students a geometric solid shape. Have students state the name of each shape and list some real-life examples.

EXTENSION: Refer to Lucky to Learn Math Grade 2, Lesson 8.6 for extension activities with 3D

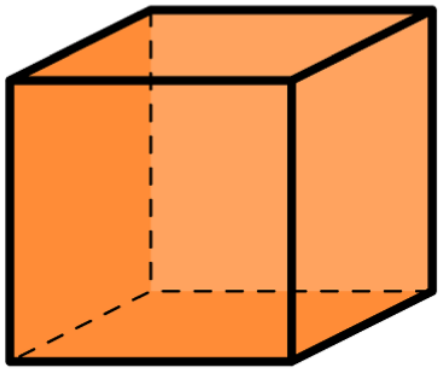
TEACHING SLIDES

Guides students through each lesson with an easy-to-follow, attractive, kid-friendly format & theme

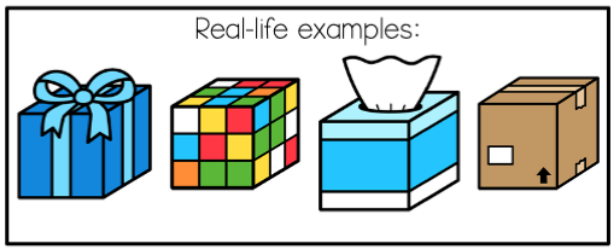
MINI LESSONS

5.7 MINI-LESSON

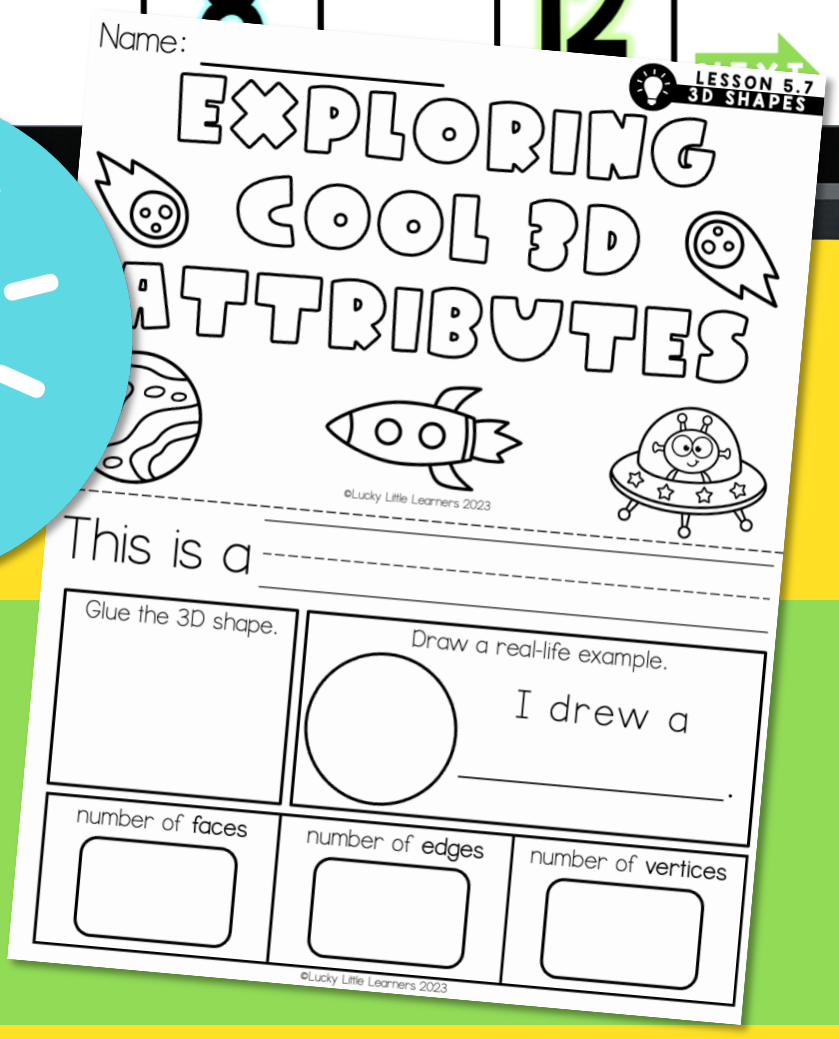
LET'S LEARN!



cube

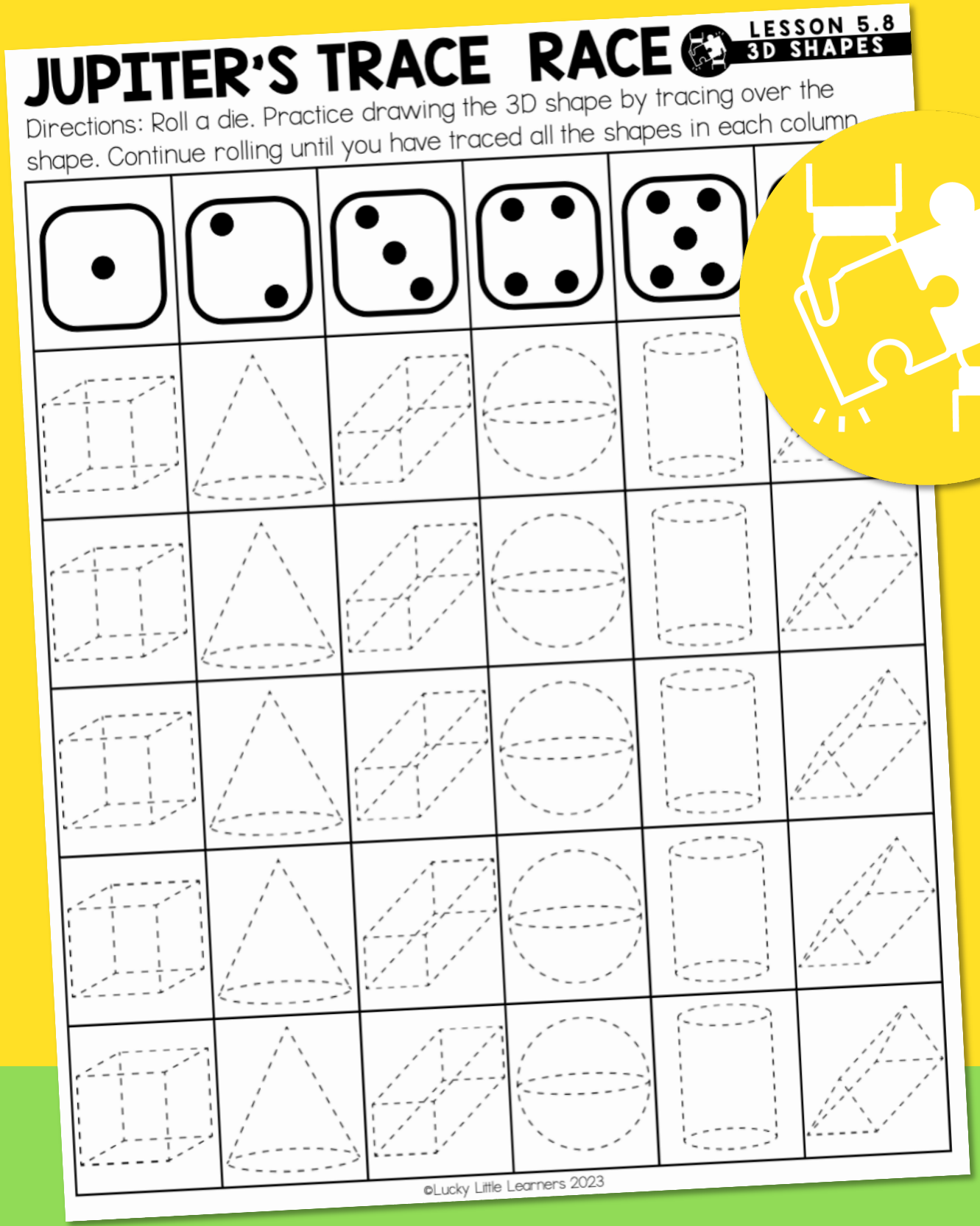


number of faces	number of edges	number of vertices
6	8	12



Provides instruction & scaffolded practice with the skill.

COLLABORATION



Hands-on activities for students to practice the skill in fun ways with partners and groups

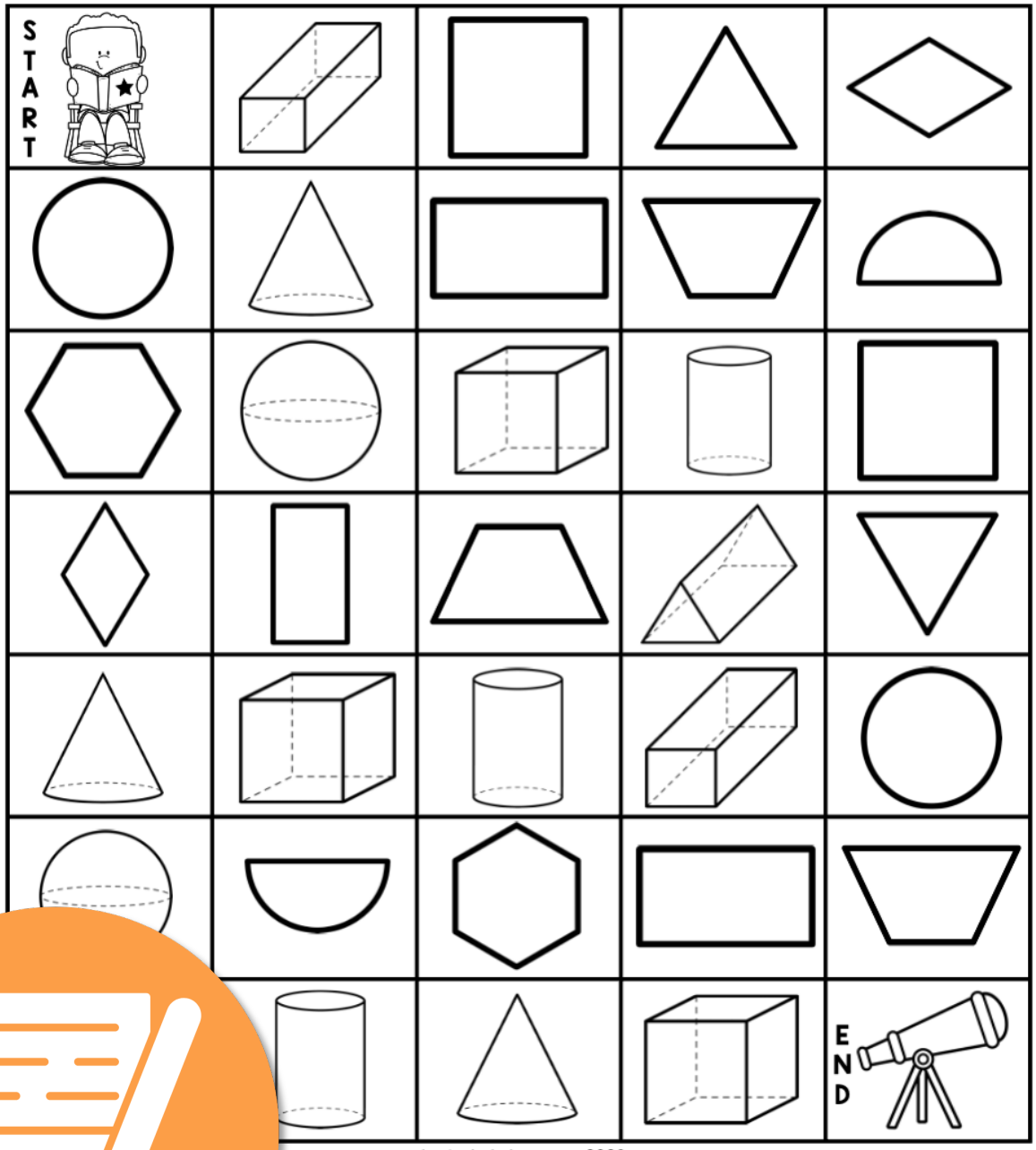
INDEPENDENT WORK

Name _____

LESSON 5.9
3D SHAPES

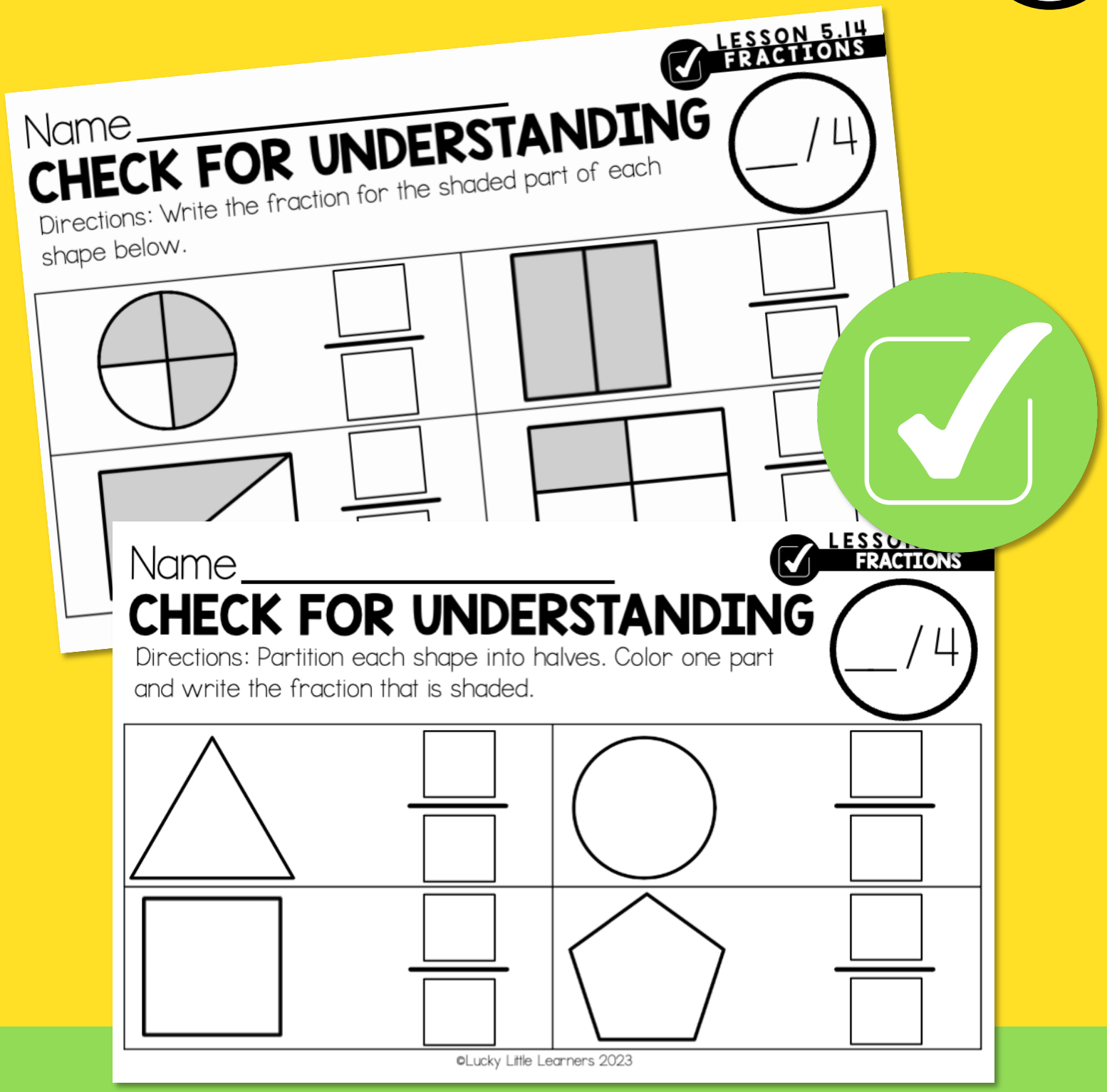
NEPTUNE'S 3D MAZE

Directions: Help Sam find his way to his telescope, so he can see Neptune! Find your way through the maze, by coloring each 3D shape.



Worksheets that align with the lesson theme provide opportunities for student independence and mastery.

CHECK UNDERSTANDING



Half-page exit tickets are an easy check for understanding. This shows you an immediate picture of how students are doing. No more huge stacks of grading to sort through!

EXAMPLE MATERIALS

UNIT 5: GEOMETRY & FRACTIONS	LESSON 5.11 Equal and Unequal Shapes
LESSON OBJECTIVE	Identify equal and unequal parts.
MATERIALS	❑ Lesson 5.11 Teaching Slides ❑ Lesson 5.11 Copies ❑ Spinners ❑ Colored Cubes or BINGO chips ❑ 2D Shape Manipulatives (optional) ❑ Dry-erase supplies (optional)
MATH CHAT	Mystery Number: Allow students a few seconds to look at the picture and read the prompt. When most students have their thumb on their chest, you can have students share answers. Make sure students can defend their answer: **Answer- A sphere has 0 faces.**
MINI-LESSON	Review types of 2D shapes by having students turn and talk with a partner about what they learned about 2D shapes. Introduce partitioning shapes into equal parts or shares. Show real-life examples of equal and unequal parts. Introduce partitioning shapes into equal parts, and show the different ways students can partition. Use the teaching slides to introduce the lesson's spotlight: space shuttles. Work together to practice finding equal and unequal parts. Show students a shape on the slides where students will do the exercise shown beneath equal or unequal. Then, discuss as a class how the students knew they were equal or unequal.
COLLABORATIVE PRACTICE	3, 2, 1... BLAST OFF!: Divide students into partners. Each group will need a gameboard (laminate for future use), and a spinner. The students will each need different colored counters. Students will take turns spinning the spinner. They will cover the type of shape they spun with their colored counter. If a student gets 4 in a row, they will say "3, 2, 1...BLAST OFF" to indicate that they won! Students may continue playing new games until you say it is time to stop.
INDEPENDENT PRACTICE	Space Shuttle Shapes: Students will circle the shape that matches the description. Then, use the letter next to the shape to color the picture according to the code.
EXIT TICKET / CHECK FOR UNDERSTANDING	Students will demonstrate their understanding of equal and unequal parts by looking at 4 shapes. Students will circle whether the shape shows equal or unequal parts.
DIFFERENTIATION	**INTERVENTION:** Use the 2D shape manipulatives in the Unit 5 Overview. Copy the shapes onto colored cardstock and laminate them. Have students draw on the shapes with dry-erase markers to demonstrate their understanding of equal parts. Tell students to partition shapes into 2, 3, or 4 equal parts. Discuss the different ways that students partition. **EXTENSION:** Refer to Lucky to Learn Math Grade 2, Lesson 8.11 for extension activities with partitioning shapes.

3, 2, 1... BLAST OFF!

LESSON 5.11 EQUAL & UNEQUAL PARTS

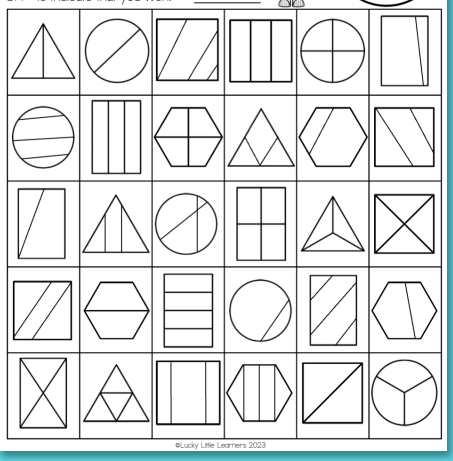
Directions: Take turns spinning the spinner. Cover the type of shape you spun with your colored counter. If you get 4 in a row, say "3, 2, 1...BLAST OFF" to indicate that you won.

Player 1: _____

Player 2: _____

EQUAL PARTS

UNEQUAL PARTS

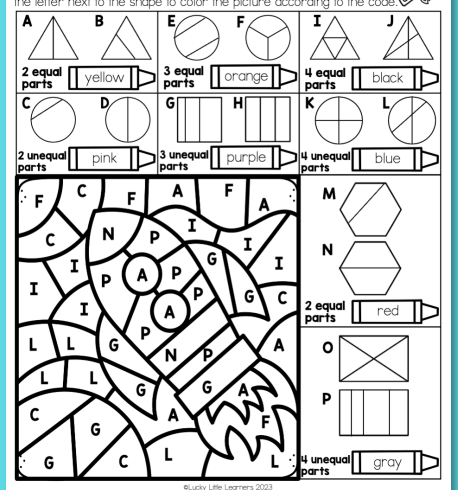


Name _____

LESSON 5.11 EQUAL & UNEQUAL PARTS

SPACE SHUTTLE SHAPES

Directions: Circle the shape that matches the description. Then, use the letter next to the shape to color the picture according to the code.



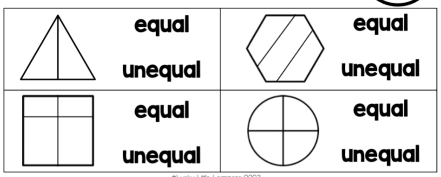
Name _____

LESSON 5.11 EQUAL & UNEQUAL PARTS

CHECK FOR UNDERSTANDING

Directions: Circle whether the shape shows equal or unequal parts.

__/4



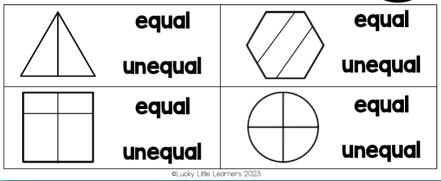
Name _____

LESSON 5.11 EQUAL & UNEQUAL PARTS

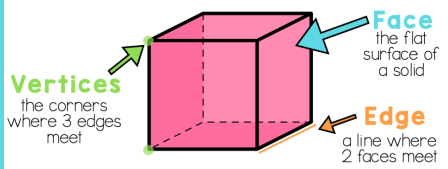
CHECK FOR UNDERSTANDING

Directions: Circle whether the shape shows equal or unequal parts.

__/4



ATTRIBUTES OF 3D SHAPES



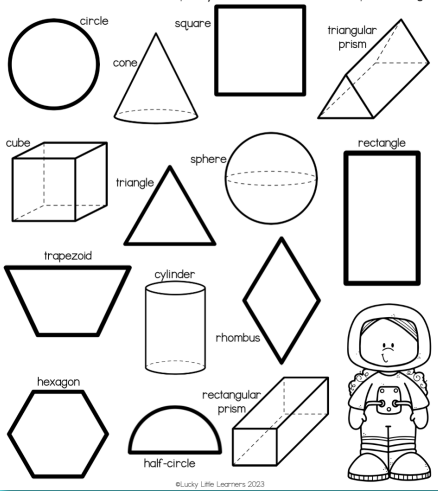
Shape	Faces	Vertices	Edges
CONE	1	1	0
CYLINDER	2	0	0
CUBE	6	8	12
SPHERE	0	0	0
TRIANGULAR PRISM	5	6	9
RECTANGULAR PRISM	6	8	12

Name _____

LESSON 5.6 3D SHAPES

SHAPE SHADES OF VENUS

Directions: Color the 2D shapes yellow. Color the 3D shapes orange.



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.

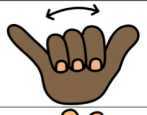
2 THINKING TIME
When a problem is shown, we won't shout out or talk about it yet. We will use silent thinking time to try and solve the problem on our own.

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 and grow!

4 STRATEGIES
When you think of a way to solve the problem, give a thumbs-up at your chest. Keep thinking of new 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 justify our thinking. All answers are shared and talked about because we all learn from mistakes (even teachers!).

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 CATEGORIES

MYSTERY NUMBER	Clues will be given and students have to figure out the number that is missing.
TRUE OR FALSE	Students will decide if the equation given is true or false.
WORD PROBLEM	Students will work out word problems.
THINK ABOUT IT	Students will solve thought-provoking math problems.
MATH IS FUN	Students will solve challenging math problems in a fun way!

Weekly Email FREEBIES!

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

SCAN HERE!

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.