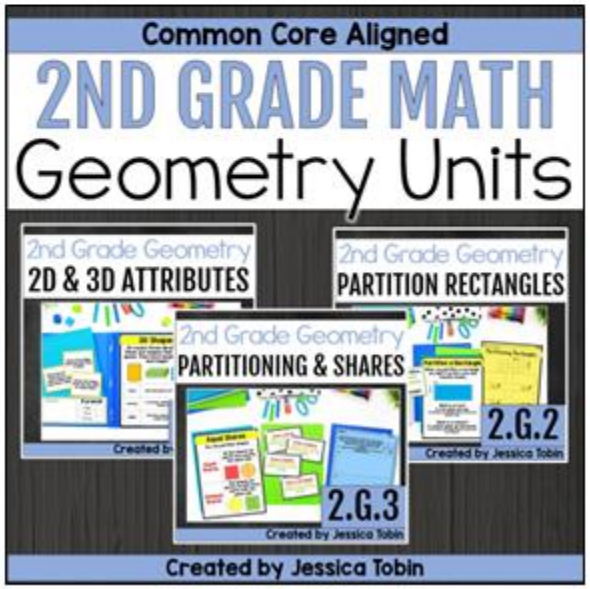
Geometry

These math units provide lesson plans and math group resources to use while teaching the Geometry Common Core standards.

- **2.G.1- 2D and 3D Shapes**
- **2.G.2- Partitioning Rectangles**
- **2.G.3- Partitioning Shapes into Equal Shares**



Using This Unit

Let's look at the structure of this unit.

Pre-Assessment

- A pre-assessment is included that will help give you an idea of where your students are with this specific standard. Give this pre-assessment prior to any lessons on the standard.

Daily Lessons

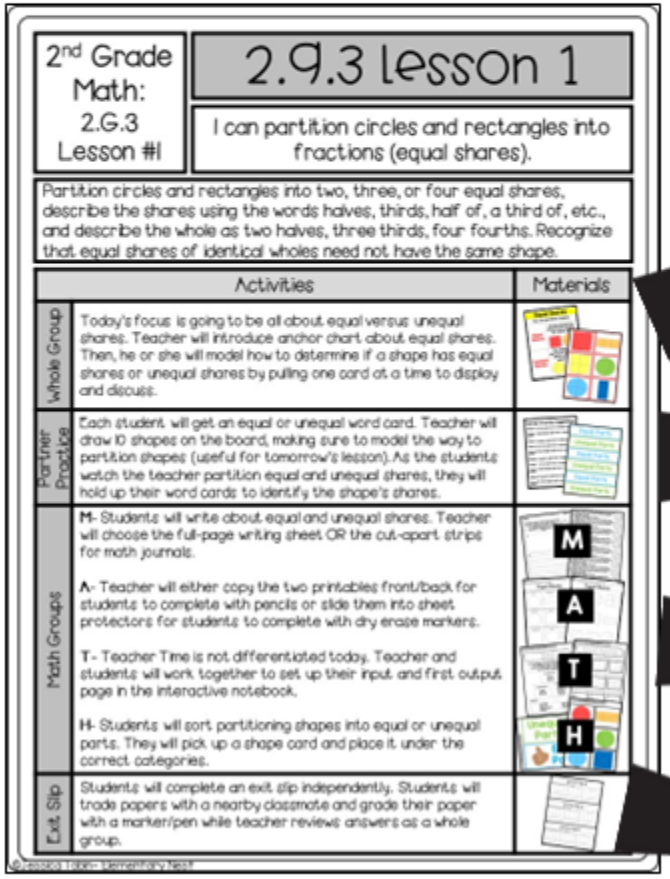
- Whole Group- The whole group lesson will typically involve an anchor chart or poster to discuss. This should take about five minutes to complete.
- Partner Practice- The whole group activity will be followed up with a partner practice activity. It will build on the knowledge the students learned or reviewed in the whole group lesson. This should take between 5-10 minutes.
- MATH Groups- There are four break-apart groups to do a day. Each rotation can last between 10-15 minutes depending on how long you get for your math block.
  - *Math Writing*- 2 writing options are given each day (one full sized page OR a cut and glue strip for a math journal)
  - *Apply Skills*- You will find a variety of practice resources here, such as printables, interactive notebooks, or partner activities.
  - Teacher Time- Small group differentiation can happen here. Most days will include a GREEN 'Remediation' activity, a BLUE 'On-Level' activity, and a PURPLE 'Enrichment' activity. Since there are four group activities and only three differentiated levels, some groups will use the same material determined by their data and needs.
  - Hands-on Practice- These centers will give your students chances to get practice with manipulatives and other engaging activities.
- Exit Slip- Every single day will come with an exit slip for students to show what they learned that day. Teacher will cut apart the three strips.

Assessment

- This is to be completed after all lessons and math groups are taught.

Daily Lesson Plans

Each standards-based math unit comes with daily lessons. Some are 3 days, while others may be 5+ days, depending on how complex the standard is. There are 4 main components of each daily lesson.



2nd Grade Math: 2.G.3 Lesson #1

2.9.3 lesson 1

I can partition circles and rectangles into fractions (equal shares).

Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.

	Activities	Materials
Whole Group	Today's focus is going to be all about equal versus unequal shares. Teacher will introduce anchor chart about equal shares. Then, he or she will model how to determine if a shape has equal shares or unequal shares by pulling one card at a time to display and discuss.	
Partner Practice	Each student will get an equal or unequal word card. Teacher will draw 10 shapes on the board, making sure to model the way to partition shapes (useful for tomorrow's lesson). As the students watch the teacher partition equal and unequal shares, they will hold up their word cards to identify the shape's shares.	
Math Groups	M- Students will write about equal and unequal shares. Teacher will choose the full-page writing sheet OR the cut-apart strips for math journals. A- Teacher will either copy the two printables front/back for students to complete with pencils or slide them into sheet protectors for students to complete with dry erase markers. T- Teacher Time is not differentiated today. Teacher and students will work together to set up their input and first output page in the interactive notebook. H- Students will sort partitioning shapes into equal or unequal parts. They will pick up a shape card and place it under the correct categories.	M A T H
Exit Slip	Students will complete an exit slip independently. Students will trade papers with a nearby classmate and grade their paper with a marker/pen while teacher reviews answers as a whole group.	

Whole group activity: This activity will typically include an anchor chart mini poster, plus some sort of teacher modeling activity.

Partner practice: This will be a hands-on partner activity following the whole-group.

M.A.T.H. groups: (Explained in depth on next page) There are four groups/centers.

Exit slip: There are 3 exit slips to a page to cut out and administer for student learning.

M.A.T.H. Groups

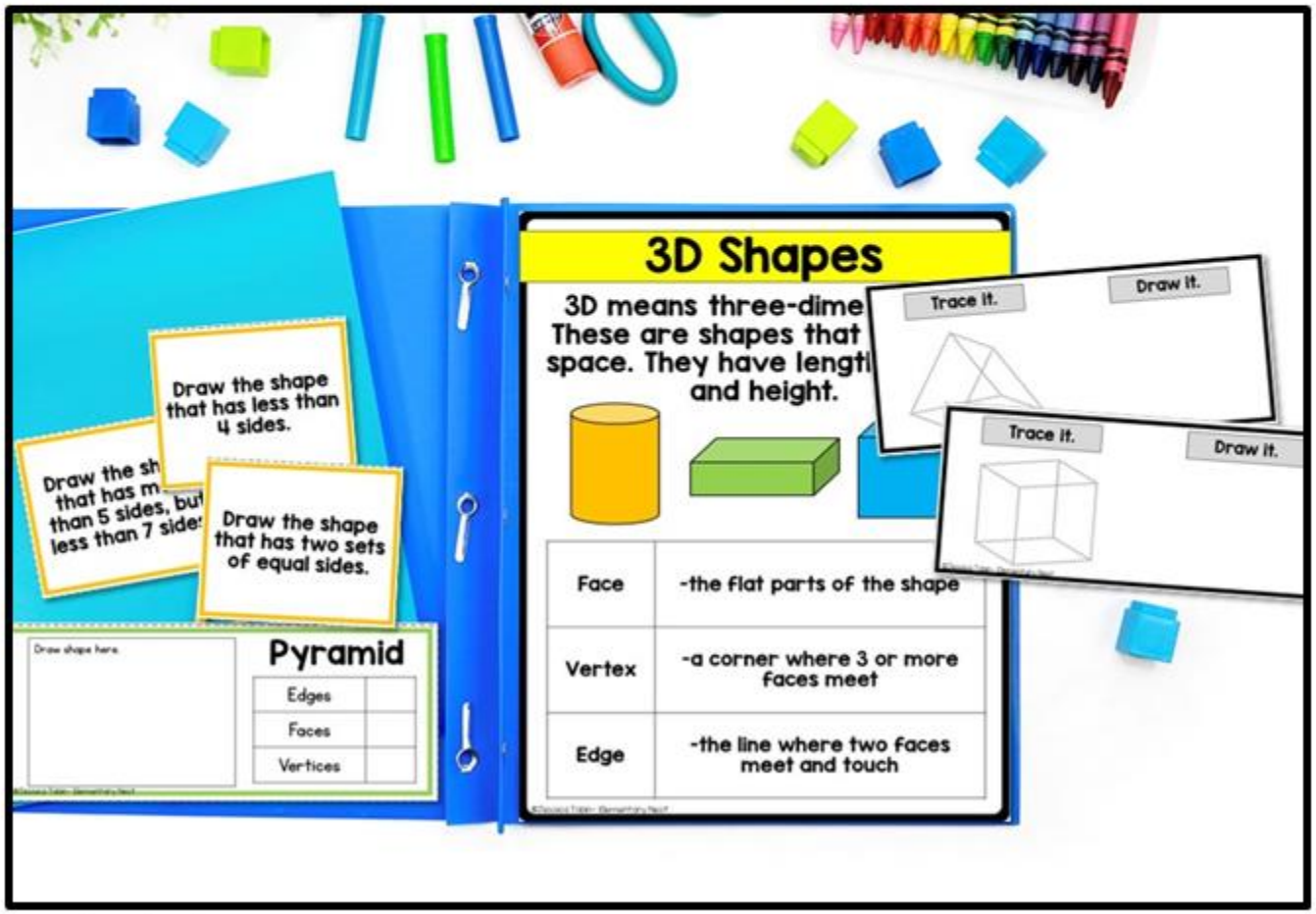
Each day comes with four group activity suggestions and materials for 'M.A.T.H.' groups. This is your small group time, splitting the class up into four groups to rotate around the room, participating in different activities for 10-20 minutes a piece.

M	Math Writing	2 options... worksheet or cut/glue notebook strips	
A	Apply New Skills	Worksheet or interactive notebook activities to apply the skill learned in whole group	
T	Teacher Time	Differentiated time for 3 levels (remediation, on-level, enrichment)	
H	Hands-On Math	Engaging center to follow up on the whole group/partner practice	

2.G.1

3 Lesson Plans for 2.G.1:

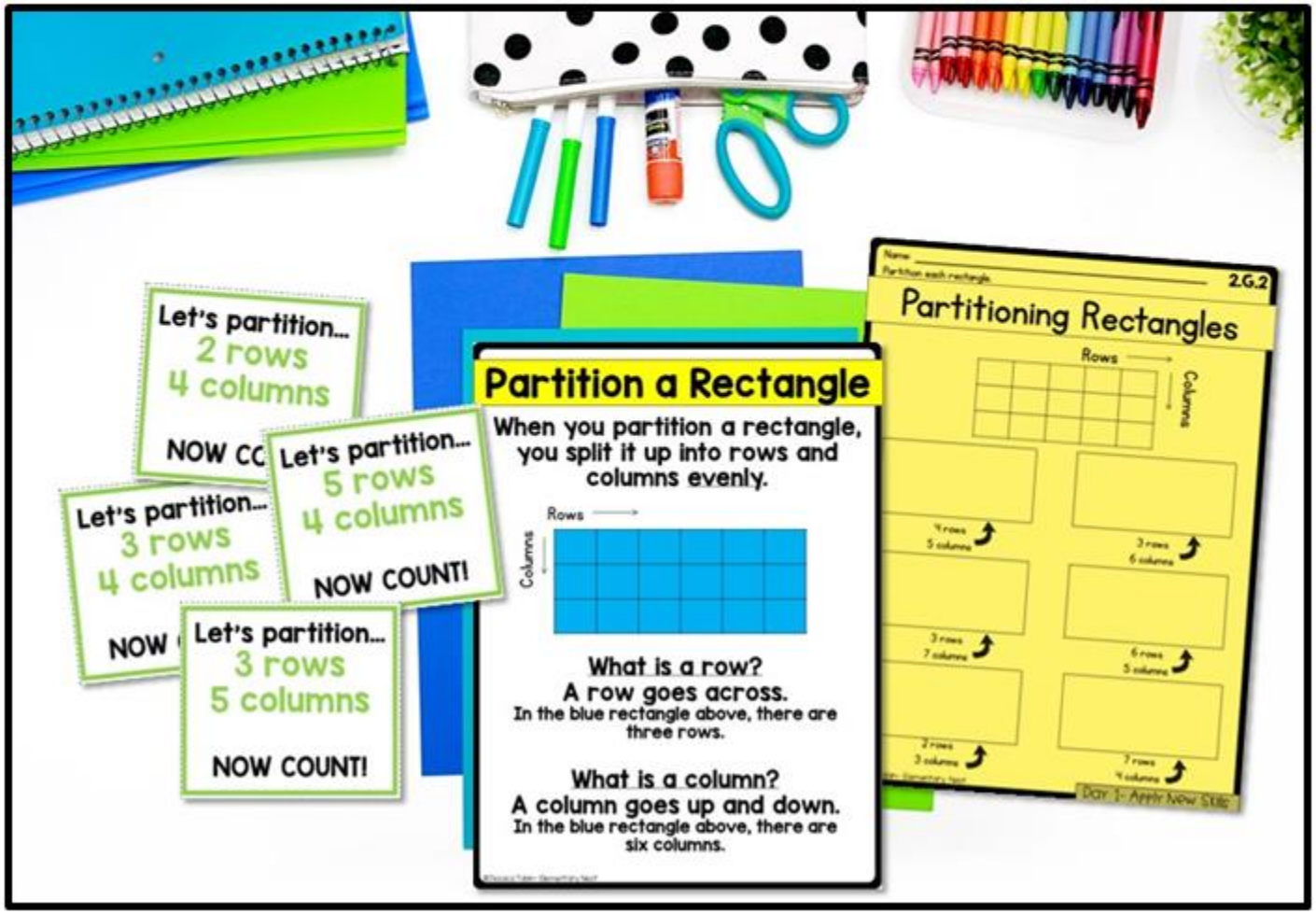
"Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes."



2.G.2

3 Lesson Plans for 2.G.2:

"Partition a rectangle into rows and columns of same-size squares and count to find the total number of them."



2.G.3

5 Lesson Plans for 2.G.3:

"Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape."