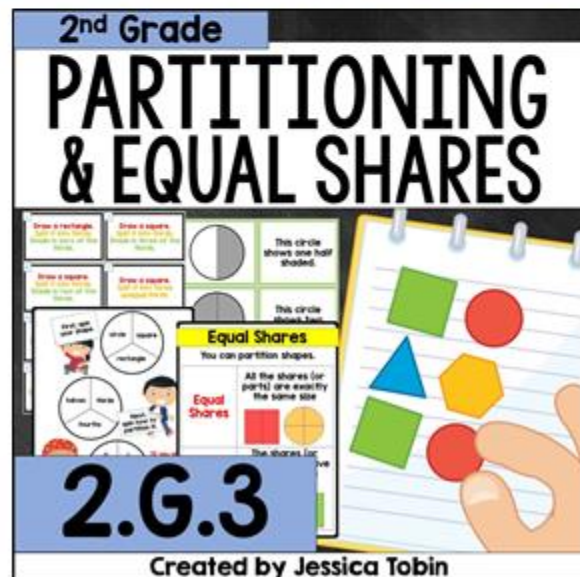


2.G.3

This math unit provides lesson plans and math group resources to use while teaching the standard **2.G.3**, which states that students will be able to...

“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.”



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.

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

Day 1 Activities

Here's a look at day 1's whole group, partner practice, MATH group activities, and exit slip.

2nd Grade Math: 2.G.3 Lesson 1
I can partition circles and rectangles into fractions (equal shares).

Equal Shares
You can partition shapes.
All the shares (or parts) are exactly the same size.
The shares (or parts) do NOT have to be the same shape.

Partner Practice Suggestion
Shape 1: Circle split into 2 unequal parts
Shape 2: Rectangle split into 3 equal parts
Shape 3: Square split into 4 equal parts
Shape 4: Circle split into 4 equal parts
Shape 5: Rectangle split into 2 unequal parts
Shape 6: Square split into 2 equal parts

Equal Parts
Unequal Parts
Equal Parts
Unequal Parts

2.6.3
My sister baked a cherry pie. She cut the pie into two pieces. My sister said it was fair because we both got a piece.
a. Identify if her sister is correct.
b. Explain how it relates to equal and unequal shares.

Equal Shares
Draw two lines to show equal shares.

Equal Shares
Color the equal part(s). Color the unequal part(s).

2.6.3
I can partition circles and rectangles into two, three, or four equal shares. -I can use words such as halves, thirds, and fourths to explain.

2 equal parts: -halves
-half of
-two of

3 equal parts: -thirds
-third of
-three of

4 equal parts: -quarters
-quarter of
-fourths of
-four of

Practice: Partition this into three equal parts. Partition this into four equal shares.

Unequal Parts
Equal Parts

2.G.3 Exit Slip #1
Name: _____
Write if the shares are equal or unequal.

2.G.3 Exit Slip #2
Name: _____
Write if the shares are equal or unequal.

2.G.3 Exit Slip #3
Name: _____
Write if the shares are equal or unequal.

LIFT the flap and write whether the share is equal or unequal.

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Day 3 Activities

Here's a look at day 3's whole group, partner practice, MATH group activities, and exit slip.

The collage features various educational resources for a 2nd-grade math lesson on fractions, specifically focusing on thirds. Key elements include:

- Lesson Plan:** A document titled "2nd Grade Math: 2.G.3 Lesson #3" with the objective "I can partition circles and rectangles into fractions (equal shares)." It includes an "Activities" section.
- Activity Cards:** A set of cards titled "Thirds" with the text "A third is one of three. When you partition a shape into thirds, you are splitting three pieces." These cards show visual examples of partitioning shapes into three equal parts.
- Student Worksheets:** Multiple worksheets for "Partitioning Thirds" and "Unequal Shares". The "Partitioning Thirds" worksheets include instructions like "Show three ways to split these shapes into thirds" and "Show three different ways to split this circle into 3 equal shares." The "Unequal Shares" worksheet includes a thumbs-up icon and the text "Equal Shares".
- Recording Sheets:** A "Partitioning THIRDS Recording Sheet" with a grid for students to record their work. It includes a "Name:" field and a grid with columns labeled a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z.
- Exit Slips:** Three "2.G.3 Exit Slip #3" cards, each with a grid for students to record their work. Each card includes a "Name:" field and a grid with columns labeled a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z.
- Visual Aids:** Numerous diagrams showing circles and rectangles partitioned into three equal parts. Some are shaded to represent fractions like $\frac{1}{3}$, $\frac{2}{3}$, and $\frac{3}{3}$. There are also checkmarks and red X's indicating correct and incorrect partitions.

Day 4 Activities

Here's a look at day 4's whole group, partner practice, MATH group activities, and exit slip.

The collage features several educational materials:

- 2.9.3 Lesson 4:** A worksheet titled "I can partition circles and rectangles into four equal shares, each representing one-fourth of the whole." It includes an "Activities" section with instructions for a whole-class activity and a "Partner Practice" section.
- Fourths:** A card stating "A Fourth is one of four parts. When you partition a shape into four equal parts, you are splitting it into four pieces." It shows a circle and a square divided into four equal parts.
- One of Out Four Shares:** A card with a circle divided into four equal quadrants, one of which is shaded purple.
- Two of Out Four Shares:** A card with a circle divided into four equal quadrants, two of which are shaded purple.
- Three of Out Four Shares:** A card with a circle divided into four equal quadrants, three of which are shaded purple.
- Partitioning Fourths:** A worksheet with a grid of shapes (circles and squares) to be partitioned into four equal parts. It includes a "Name:" field and a "2.G.3" label.
- Unequal Shares:** A card with a thumbs-up icon and the text "Unequal Shares".
- Recording Sheets:** Several cards with instructions like "Draw a rectangle. Split it into four equal fourths. Shade in two of the fourths." and "Draw a circle. Split it into four equal fourths. Shade in zero of the fourths." These are designed for students to record their work.
- Exit Slips:** Three "2.G.3 Exit Slip #4" cards, each with a grid of shapes to be partitioned into four equal parts.

Day 5 Activities

Here's a look at day 5's whole group, partner practice, MATH group activities, and exit slip.

2nd Grade Math: 2.G.3 Lesson #5
I can partition circles and rectangles into fractions (equal shares).

2.G.3 Lesson #5
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
Students will work with a partner to show a part of the whole and complete a sentence about that partitioned shape. They will discuss how the shape of that shape, size they will make their own with a measuring cup. They will also make an example.

Equal Shares
You can partition shapes.
All the shares (or parts) are exact the same size.
The shares (or parts) do NOT have to be the same size.

Halves
A half is one of two pieces.
When you partition a shape into halves, you are splitting it into two pieces.

Thirds
A third is one of three pieces.
When you partition a shape into thirds, you are splitting it into three pieces.

Fourths
A fourth is one of four pieces.
When you partition a shape into fourths, you are splitting it into four pieces.

Whole Group Lesson 5
1- "Draw a circle. Now, partition that circle into halves."
2- "Draw a square. Now, partition that circle into fourths."
3- "Draw a rectangle. Now, partition that circle into halves."
4- "Draw a circle. Now, partition that circle into thirds."
5- "Draw a square. Now, partition that circle into halves."
6- "Draw a circle. Now, partition that circle into fourths."

Two thirds out of three thirds are colored in.
out of _____ are shaded in.
out of _____ are shaded in.
out of _____ are shaded in.
out of _____ are shaded in.

Three thirds make up the whole shape.
out of _____ are shaded in.
out of _____ are shaded in.
out of _____ are shaded in.
out of _____ are shaded in.

Fractions
Halves
Thirds
Fourths

Partitioning Shapes Recording Sheet
Name: _____
Halves Thirds Fourths

Draw Your Partitioned Shape
First, spin your shape.
circle square
rectangle
halves thirds
fourths
Next, spin how to partition it.
Finally, spin how many shares to shade.
If you show number 1, fold for 4 shares again.

2.G.3 Exit Slip #5
Partition the shape into halves. Shade one half.
Partition the shape into halves. Shade one half.
Partition the shape into fourths. Shade two fourths.

2.G.3 Exit Slip #5
Partition the shape into halves. Shade one half.
Partition the shape into halves. Shade one half.
Partition the shape into fourths. Shade two fourths.

2.G.3 Exit Slip #5
Partition the shape into halves. Shade one half.
Partition the shape into halves. Shade one half.
Partition the shape into fourths. Shade two fourths.





Assessments

Each unit comes with a pre-assessment to give to students before you teach the standard. This will come before any introduction to the standard. There is also an assessment to give after your unit is complete.





Name: _____ Date: _____

2.G.3 Pre-Assessment




Write how many shares there are in each shape.

			
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Write if this partitioned shape is equal or unequal.

			
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Partition the shapes into halves.

		
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Partition the shapes into thirds.

		
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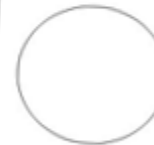



Partition the shapes into fourths.

		
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Name: _____ Date: _____

2.G.3 Assessment

 Partition this into halves. Shade in one of the halves.	 Partition this into halves. Shade in two of the halves.	 Partition this into fourths. Shade in three of the fourths.
 Partition this into fourths. Shade in two of the fourths.	 Partition this into thirds. Shade in two of the thirds.	 Partition this into fourths. Shade in one of the fourths.
 Partition this into thirds. Shade in one of the thirds.	 Partition this into halves. Shade in zero of the halves.	 Partition this into thirds. Shade in three of the thirds.

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