

Google Classroom

Polygon

Sorting Activities

Google Slides Companion to Polygon Explorations

Attribute #1 Attribute #2

Polygons	Not Polygons
25, 27, 14, 16, 18, 13, 1, 9, 26	30, 29

Category #1	Category #2

Quadrilaterals Line Symmetry



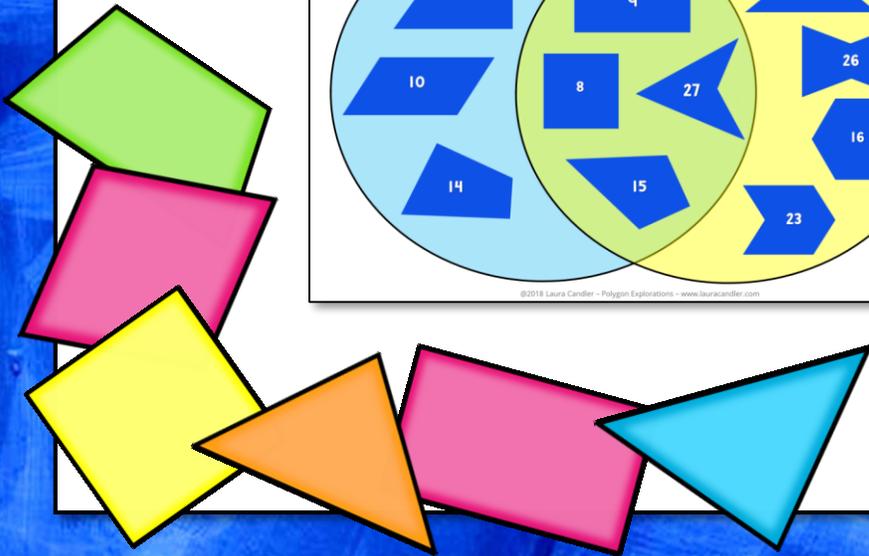
Printable & Paperless Resources

Polygon Explorations

Lessons & Activities

Laura Candler

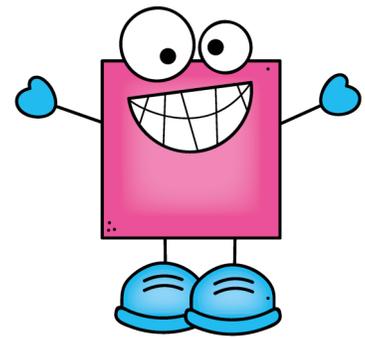
Grades 3 to 5



Laura Candler

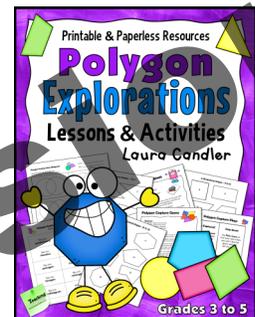
Polygon Sorting Activities for Google Classroom

by Laura Candler



Polygon Sorting Activities for Google Classroom is a collection of editable Google Slides with ready-to-use activities to supplement the lessons in [Polygon Explorations](#). In addition to the no-prep activities, there are two templates you can use to create your own sorting lessons. This teacher's guide explains how to access those resources, edit them, and assign them in Google Classroom.

The 30 two-dimensional shapes used in these activities are identical to the printable shapes used in [Polygon Explorations](#). In fact, the numbers on the images are the same as the numbers on the corresponding printable shapes to make it easy to use both resources interchangeably.



Google Slide Templates and Sorting Activities

Click the blue links below to download a copy of each Google Slides activity file. To find full directions for saving the files and using them with students, scroll to the next page.

2D Shapes and Open Sorting Activity

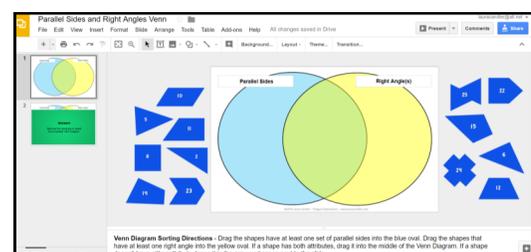
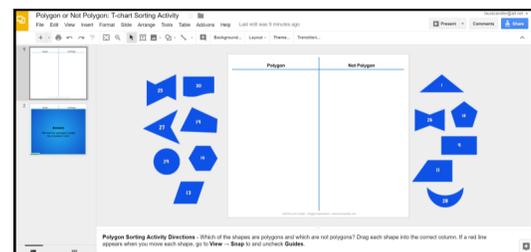
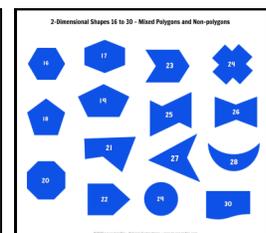
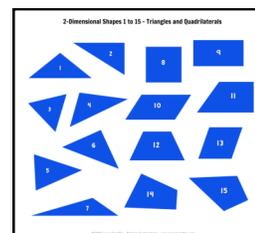
- [2D Shapes for Polygon Explorations](#)
- [Open Sorting Activity](#)

T-Chart Sorting Activities and Template

- [Polygon or Not Polygon](#)
- [Line Symmetry or No Line Symmetry](#)
- [Quadrilateral or Not Quadrilateral](#)
- [T-chart and 2D Shapes Template](#)

Venn Diagram Sorting Activities and Template

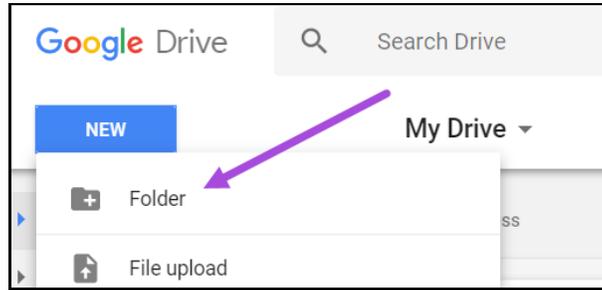
- [Parallel Sides and Right Angles](#)
- [Triangles and Obtuse Angles](#)
- [Quadrilaterals and Line Symmetry](#)
- [Venn Diagram and 2D Shapes Template](#)



How to Access the Sorting Activities and Save them in Google Drive

1. Create a Google Drive folder for storing documents.

Log on to your Google Drive, click NEW, and create a folder called Polygon Explorations.



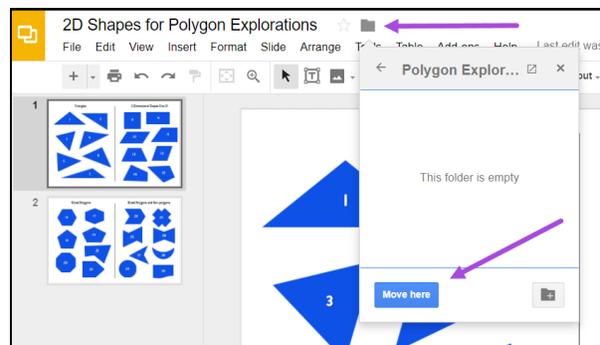
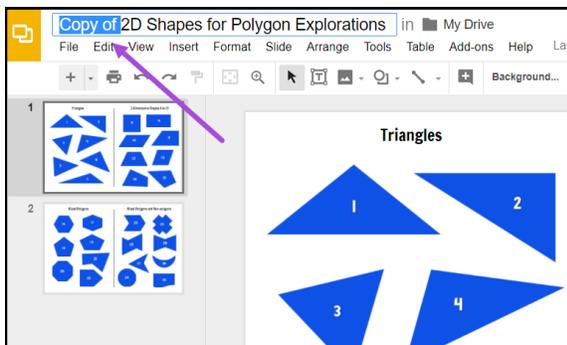
2. Download and save a copy of each document.

Access the documents by clicking the blue links on the previous page. You'll be promoted to make a copy of each file to your own Google Drive. Start by clicking the link to the [2D Shapes for Polygon Explorations](#) file and then click **Make a copy**. This will automatically create an editable copy in your Google Drive. This file has all 30 shapes used in the sorting activities which will be helpful if you want to add polygons to any of the existing activities.



3. Rename each document and move it into the Polygon Explorations folder.

After you download each file, click the title field at the top and delete the words "Copy of." Next, click the folder icon and navigate to the Polygon Explorations folder you created in step 1. Click the blue **Move here** link to move the document into that folder. Repeat these steps with the remaining templates and activities.



How to Assign the Sorting Activities in Google Classroom

1. Review each activity before assigning it to your students.

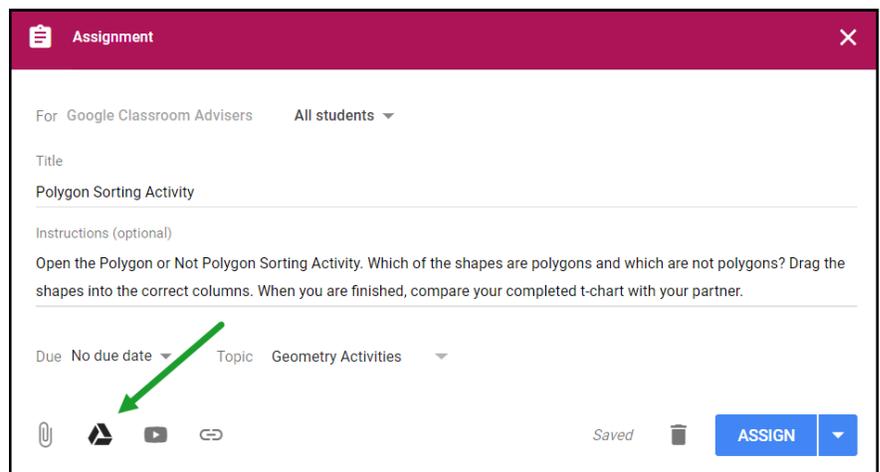
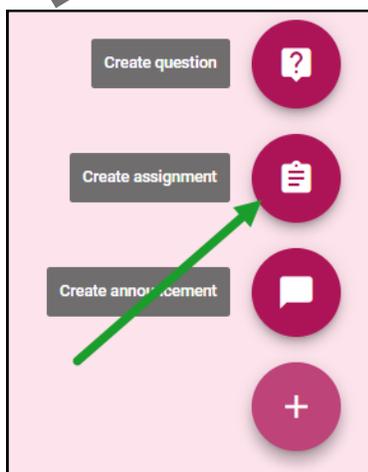
Before assigning each activity to your students, open the document and review the slides and the directions. When you open the file, you'll see a labeled T-chart or Venn diagram in the center with an assortment of shapes scattered randomly in the gray workspace. The directions for the activity are located in the "Speaker Notes" section under the slide. All of the ready-to-use activities include an answer key on the second slide, but you can delete that slide if you don't want your students to have access to the key. If you plan to keep the answer key, check the answers to be sure you agree with them. When you're finished making changes, there's no need to save the file because all changes are saved automatically in Google Drive.

Answer Key can be removed

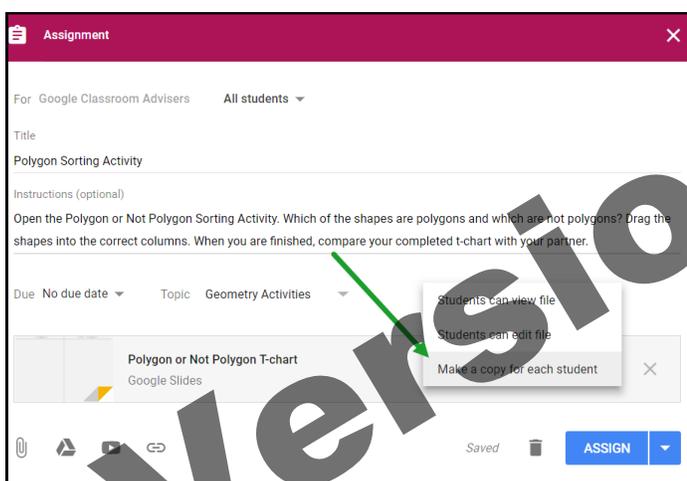
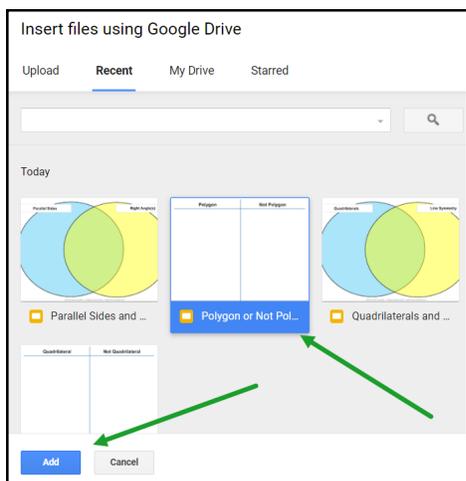
Directions are located in the Speaker Notes area under the slide.

2. Log on to Google Classroom and create an assignment.

When you're ready to assign the activity, go to Google Classroom and click the plus sign in the lower right corner. Then select "Create assignment." Enter the title of the assignment and any instructions for students, and then click the Google Drive logo in lower left corner.



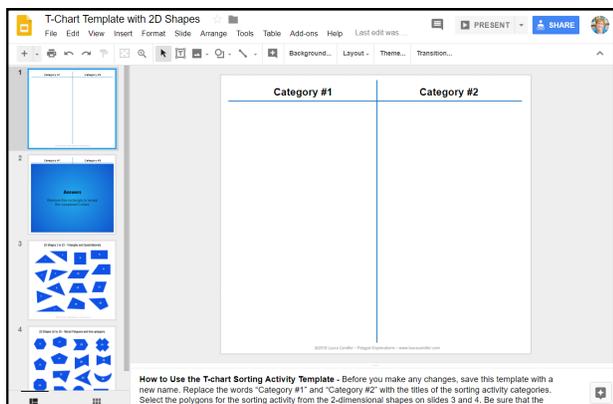
3. **Locate the sorting activity and assign it to your students using the “Make a copy” option.** Navigate to the activity in your Google Drive, select it, and click Add. The default level of access is for students to view the file, but in order to use the activity, your students need an editable copy of the file. Choose **“Make a copy for each student”** from the available options and then click Assign. When your students log on to Google Classroom, they will be able to download their own copy of the sorting activity. After they complete the activity, you’ll be able to view their work as you would any other Google Classroom assignment.



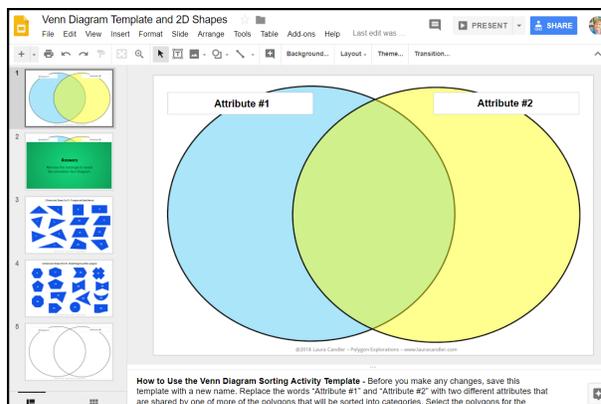
How to Create Your Own Sorting Activities

The easiest way to create a new Google Slide sorting activity is to make a copy of an existing activity, save it with a new name, and then edit the title, labels, and directions. However, if you would like to start from scratch, you can use the T-chart or Venn diagram template. Both of them include a blank graphic organizer and all 30 two-dimensional shape images. Open the template file, make a copy, and save it into your Polygon Explorations folder with a new name. Follow the directions for creating the sorting activity which can be found in the Speaker Notes section of each template. When you’re finished, delete any pages that are no longer needed.

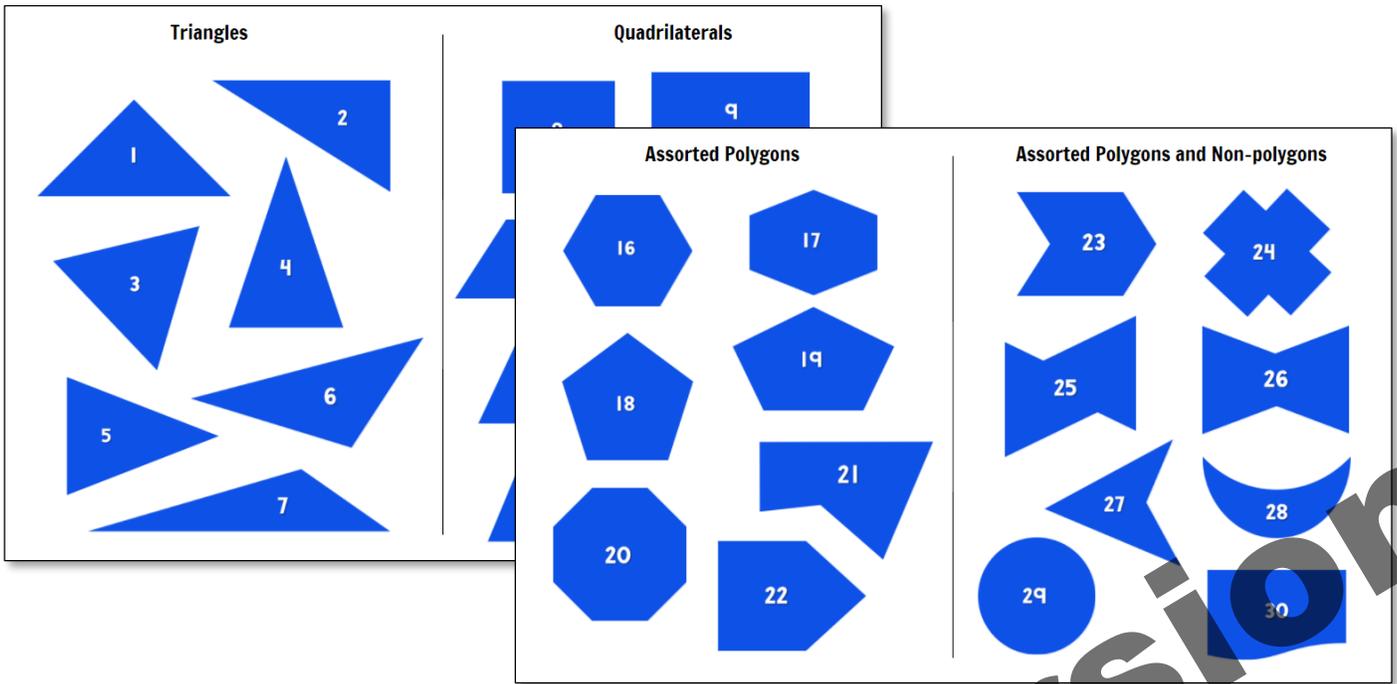
T-chart and 2D Shapes Template



Venn Diagram and 2D Shapes Template



Editable Templates with 2D Shapes



Ready-to-Use Open Sorting Activity

How can you sort these shapes into categories?

Odd Numbered Shapes

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How can you sort these shapes into categories?

Even Numbered Shapes

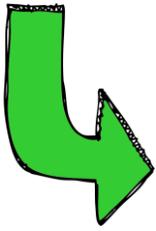
©2018 Laura

How can you sort these shapes into categories?

All 2D Shapes

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T-chart Template with 2D Shapes



Editable T-chart Polygon Sorting Activities Ready to Use - Answer Keys Included

Polygon - Not Polygons T-chart

File Edit View Insert Format Slide Arrange Tools Table Add-ons Help All changes saved in Drive

1 Polygon - Not Polygons T-chart

2 Answers

Polygon Sorting Activity Directions - Which of the shapes are polygons and which are not polygons? Drag each shape into the correct column of the T-chart. If a red line appears when you move a shape, go to **View** → **Snap to** and uncheck **Guides**.

Line Symmetry or No Line Symmetry T-chart

File Edit View Insert Format Slide Arrange Tools Table Add-ons Help All changes saved in Drive

1 Line Symmetry or No Line Symmetry T-chart

2 Answers

Line Symmetry or No Line Symmetry Sorting Activity Directions - Which of the shapes have a line of symmetry? Drag each shape into the correct column of the T-chart. If a red line appears when you move a shape, go to **View** → **Snap to** and uncheck **Guides**.

Quadrilaterals - Not Quadrilaterals T-chart

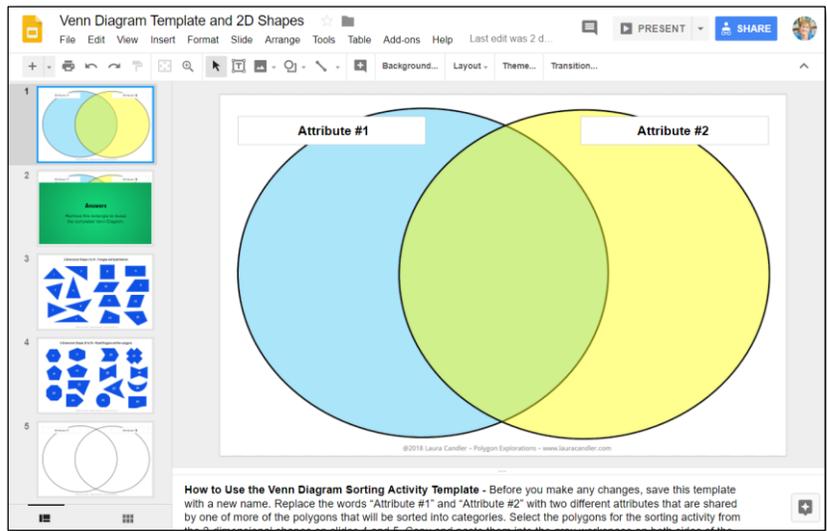
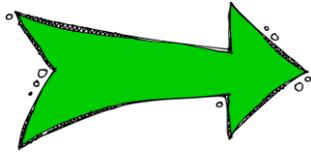
File Edit View Insert Format Slide Arrange Tools Table Add-ons Help All changes saved in Drive

1 Quadrilaterals - Not Quadrilaterals T-chart

2 Answers

Quadrilateral Sorting Activity Directions - Which of the shapes are quadrilaterals and which are not quadrilaterals? Drag each shape into the correct column. If a red line appears when you move each shape, go to **View** → **Snap to** and uncheck **Guides**.

Venn Diagram Templates with 2D Shapes



Editable Venn Diagram Polygon Sorting Activities Ready to Use - Answer Keys Included

