

For PARENTS: Welcome to our Geometry Mini-Math Course!

Geometry is the branch of mathematics that studies lines, angles, shapes and space, and looks at how they all relate to each other. If you have ever tried squeezing your car into a tight parking space or overestimated how much popcorn will fit in the popping machine, you already have experience with geometry in everyday life.

You may take all the time you need to complete each one of the six sessions. For every session, we will follow this format:

Parents:

1. Print out the homework assignments (found in the Math Assignments Outline for the current session). If you do not have a printer, have your students use their math journal for all their work while viewing the assignments online.
2. Please make sure your student has their materials (list below) for *all* geometry math work.
3. If your child needs additional help, there are step-by-step instructional videos for all math work for every session. Your student may also opt to join the weekly live [Study Hall](#) sessions with a live teacher ([email us](#) for info).

Student:

1. Watch the [Math Lesson](#) (live or recorded)
2. Start your math work in the workbook or packet (as appropriate for the lesson)
3. Complete the activities, games, puzzles and challenges for the session
4. Optional: Submit your best work to Aurora in the [Private Student Group](#).

Materials:

Your student will need materials in order to participate in the math lessons and do their assignments. *(Links provided are so you know what we're looking for. Please use what you have available that is similar to these items. Most items can be found easily at office supply stores in your local area.)*

Students will be using these materials *DURING* the live classes *AND* their homework assignments:

- Math journal, either lined or quadrille ([print your own graph paper as needed](#))
- Pencils and eraser
- [Protractor](#)
- Compass ([one with a set screw adjustment](#))
- Ruler (inches and cm) [6 inch](#) or [12 inch](#)
- Calculator ([here is the one Aurora uses during class](#))

Make sure to watch the **Parent Video** at the top of the page in [Geometry Session #1](#) and let me know if you have any questions as we go along!

See you in class!

Aurora

Weekly Math Practice

Expect to do at least 5-15 minutes of math practice every day (longer if you are enjoying it). This consistent practice will improve your skills and create a sense of progress and enthusiasm for math.

Once you have reached a level of consistent daily practice, it's time for slower-paced, more in-depth work in addition to quick math practice, for a total of 30 – 45 min per day.

Below are the assignments for this week. New work is assigned every Monday, but if you'd like to take more time than just one week on any of the assignments below, please do! Take your time with this content and enjoy learning.

For every session, you will begin with a math lesson from the teacher (you may watch live or recorded). Following this lesson, complete the workbook pages as assigned below.

You will have the opportunity to complete additional games, puzzles, activities and challenges related to different areas of math, including geometry and logic. Have fun!

Math Assignments for Session #1: Geometry Basics

- [Geometry Concepts Workbook](#) (pages 1-16)
- Geometry Activity: [BINGO \(Lines, Segments and Rays\)](#)
- Geometry Activity: [BINGO \(Shapes & Figures\)](#)
- Math Puzzle: Biscuits (no handout)
- Geometry Challenge: Nine Dots & H-Dot Problem (no handout)