



Family Resources for Math 8 Unit 1: Angles and Triangles

Dear Families,

We are excited to begin Unit 1 in middle school math using our new **Illustrative Mathematics (IM)** curriculum. This is our first year using IM, which emphasizes making sense of math, explaining reasoning, and building strong problem-solving skills. Students will engage in meaningful discussion, explore real-world problems, and collaborate with classmates. You may notice your child talking more about *how* they got an answer, not just the answer itself. [Click here](#) to learn more!

To support your child, encourage them to explain their thinking, ask questions when they are unsure, access the lesson summaries, and complete their homework! Homework (practice problems) includes a few problems connected to the current lesson along with review problems from earlier in the unit and previous learning. This approach, called distributed practice, helps strengthen understanding over time more effectively than practicing a single topic all at once.



Thank you for your support! Each unit will include information that can help you understand what your student is learning and how you can help at home. Visit the [Office of Mathematics website](#) for additional resources.



Big Ideas in Unit 1

Within this unit, students will learn these big ideas:

- Angle Relationships
- Drawing Polygons with Given Conditions
- Angles in a Triangle

For more details about this unit, see [Unit 1 Family Resources](#).

Note: Print and digital resources for Math 8 Unit 1 are primarily from Illustrative Mathematics Grade 7 Unit 7 in alignment with revised Maryland Math standards.

Lesson Specific Resources

Use the links below to learn about the learning from each lesson.

Lesson Link
7.7.1 Relationships of Angles
7.7.2 Adjacent Angles
7.7.3 Nonadjacent Angles
7.7.4 Solving for Unknown Angles
7.7.5 Using Equations to Solve for Unknown Angles
7.7.6 Building Polygons (Part 1)
7.7.7 Building Polygons (Part 2)
7.7.8 Triangles with 3 Common Measures
7.7.9 Drawing Triangles (Part 1)
7.7.10 Drawing Triangles (Part 2)
8.1.15 Adding the Angles in a Triangle
Angles In (and Out Of) a Triangle