



Advanced Mathematics Family Letter, Unit 5

Dear Family,

Our class is starting a new unit in math about geometry and measurement called *Measurement 1: Area of Polygons and Circles, and Symmetry*. During this unit, students will explore the concepts of area, circumference, congruence, and symmetry.

Students will derive and use formulas for finding the area of circles, parallelograms, triangles, and other polygons. They will develop an understanding of the relationship of the circumference of a circle to its diameter (π), and examine the geometric property of congruence. Finally, students will explore both line and rotational symmetry in everyday objects and designs.

In our math class, students spend time discussing problems in depth and are asked to share their reasoning and solutions. It is important that children solve math problems in ways that make sense to them. At home, encourage your child to explain thinking that supports those solutions.

Please look for more information and activities about this unit that will be sent home in the coming weeks.

Sincerely,