

5th Grade Math

Dear Parents/Families,

In your student's math class, the upcoming course of study deals with Dimensional Geometry. Your child will analyze two- and three-dimensional shapes based on their properties, and will classify them based on similarities and differences.

In fourth grade, students learned that shapes are composed of lines, points, line segments, rays, angles, and parallel and perpendicular lines. They also learned to classify figures in two categories (e.g., a triangle could be an isosceles and a right triangle).

By the end of this course of study, the following statements describe what your student will be able to do:

- I can classify shapes into categories. 5.G.3
- I can classify shapes based on properties. 5.G.4

Next year in sixth grade, students will begin drawing shapes on a coordinate plane. They will then use the coordinates to find the length of a side.

Vocabulary terms important to this course of study:

Hierarchy, rhombus, quadrilateral, area, polygon, square, triangle, rectangle, parallelogram, pentagon, hexagon, cube, trapezoid

Additionally, the back of this paper has the IXL standards that can be practiced at home that correlate with this cluster.

If you have any questions about this new topic of study, please don't hesitate to contact a grade level teacher or our math coach. Thank you!

Sincerely,

Miss Owen, Mrs. Reilley and Mrs. Rogers

5th Grade Math

IXL Standards for Dimensional Geometry Cluster

5.G.3

- [Classify quadrilaterals \(Fifth grade - Z.7\)](#)

5.G.4

- [Identify 2-dimensional and 3-dimensional shapes \(Fifth grade - Z.1\)](#)
- [Types of triangles \(Fifth grade - Z.2\)](#)
- [Open and closed shapes and qualities of polygons \(Fifth grade - Z.3\)](#)
- [Regular and irregular polygons \(Fifth grade - Z.4\)](#)
- [Number of sides in polygons \(Fifth grade - Z.5\)](#)
- [Which figure is being described? \(Fifth grade - Z.6\)](#)
- [Classify quadrilaterals \(Fifth grade - Z.7\)](#)