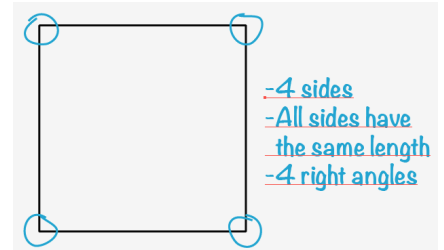


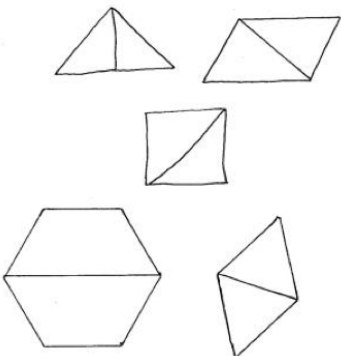
Second Grade Math Parent Letter - Module 8: Time, Shapes, and Fractions as Equal Parts of Shapes

In this module, students will use geometry to extend what they know about part-whole relationships. They will build and break down shapes in order to learn more about fractions and even time.

As the module opens, students will recognize and draw different polygons, focusing on the number of sides, corners, and angles.

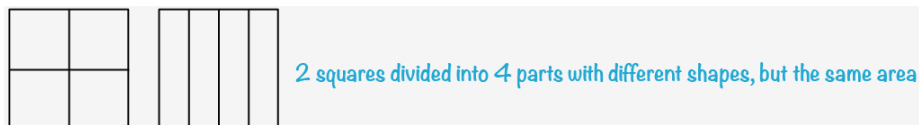


Halves, or 2 Equal Parts



As the module continues, students build and partition shapes by combining two or more smaller shapes and thinking about how they create a whole. For example, they show how a regular hexagon might be composed of two trapezoids or three rhombuses. Activities like these help students understand that fractions can be equal shares of a whole, particularly halves, thirds, or fourths.

Later in the module, students decompose circles and rectangles into equal parts and describe them as halves (a half of), thirds (a third of), and fourths (a fourth of) or quarters. They learn to describe the whole by the number of equal parts, e.g., one whole circle is composed of 4 fourths. Finally, students decompose a rectangle into four parts that have equal area but different shapes.



As the module comes to an end, students apply their understanding of partitioning the whole into halves and fourths to tell time using both analog and digital clocks. They build simple clocks and see how partitioning a circle into quarters and halves can show quarter and half hours. For example, 3 fourths of the circle can be interpreted as 3 intervals of 15 minutes, e.g., $15 + 15 + 15 = 45$, or 45 minutes. They also use their understanding of skip-counting by fives and tens to tell time on an analog clock.