

**Unit Organizer**  
**5<sup>th</sup> Grade Math**  
**Area of a Triangle**

**Colorado State Standard 1:** Students develop number sense and use numbers and number relationships in problem-solving situations and communicate the reasoning used in solving these problems.

- Construct and interpret number meanings through real-world experiences and the use of hands-on materials.
- Use number sense, including estimation and mental arithmetic, to determine the reasonableness of solutions.

**Colorado State Standard 4:** Students use geometric concepts, properties, and relationships in problem-solving situations and communicate the reasoning used in solving these problems.

**Previous Unit:** Fractions

**Next Unit:** Ratio

**Unit 4- Area of a Triangle (Singapore Book 5A)**

Standards for achievement and performance

Students will be able to ...

1. Show that the area of a triangle is half the area of the related square or rectangle.
2. Explain the terms base, height, and area in relation to a triangle.
3. Identify the base, height, and area of a given triangle.
4. Find the area of a triangle by counting square units.
5. Find the area of a triangle by using the formula  $A = \frac{1}{2} \times b \times h$ .
6. Solve word problems involving area of triangles.

Vocabulary

Obtuse

Acute

Equilateral

Symmetry

Scalene

Isosceles

Exterior

Interior

