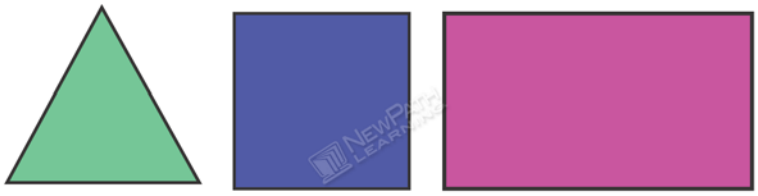
DETERMINE THE AREA OF TRIANGLES AND QUADRILATERALS

- The **area** is the surface or space within an enclosed region. Area is expressed in square units.
- The formula for calculating the **area of a triangle** is ½ base times height or 1/2bh
- **Quadrilaterals** are two-dimensional shapes with four sides. A quadrilateral is also called a 4-sided polygon.
    - A **square** is a quadrilateral with parallel sides of equal length.
    - A **rectangle** is a quadrilateral with all sides parallel, the opposite sides are the same length
    - A **rhombus** is a quadrilateral with 4 equal sides, but the angles a
    - A parallel sides.

How to det aterals:

- The for e times height or ½ b x h.
- To calculate the area of a triangle, input the values and complete the operation.
    - Base = 14in and height = 6in
    - Area = ½ (14 X 6)
    - Area = 42 square inches

- The formula for calculating the area of square, rectangle or rhombus is length times height or **l x h.**
    - Length = 23 feet and width = 12 feet
    - Area = 23 X 12
    - Area = 176 square feet



- The for $(b_1 X b_2) h$ d 9cm

    - Area = ½ (14) X 11 = 7 X 11 = 77 sq. cm

- To calculate the area of a quadrilateral or a triangle, choose the correct formula, input the values, and perform the operations.

Try This:

Calculate the area for:

A triangle with a base of 5cm and a height of 12cm

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A square with sides of 34 feet

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A rectangle w

_____

A rhombus with sides of 40mm

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A trapezoid with bases of 4 inches and 9 inches and a height of 10 inches

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