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
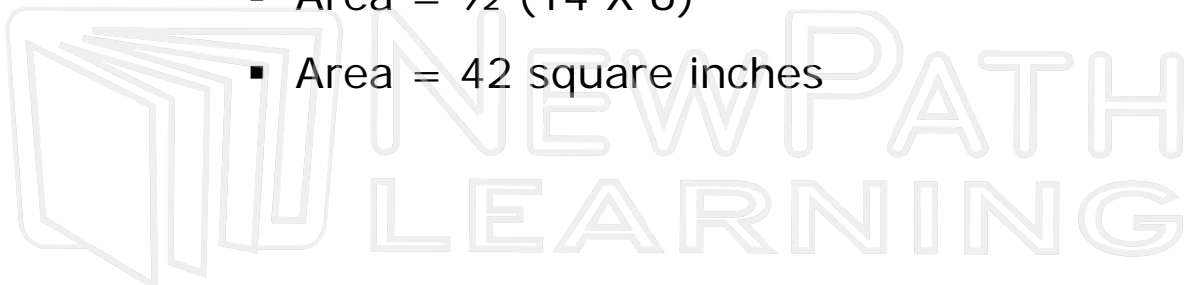

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el sides.

How t   **s:**

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- T   e 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

- T   h

  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 24 feet

A recta

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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