

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.
 - o 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
 - o A **rhombus** is a quadrilateral with 4 equal sides, but the angles

o A PREVIEW

parallel sides.

How to det

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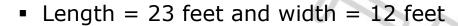
iterals:

e times

- The form 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 = $\frac{1}{2}$ (14 X 6)
 - Area = 42 square inches

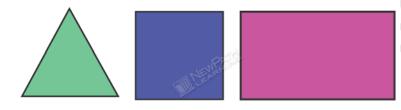


• The formula for calculating the area of square, rectangle or rhombus is length times height or I x h.



Area = 23 X 12

Area = 176 square feet



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₁ X b₂) h

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յ 9cm

• Area = $\frac{1}{2}$ (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	
A square with sides of 34 feet	
	PREVIEW
A rectangle w	Please login or register to download the printable version of this study guide. www.newpathlearning.com
A rhombus with sides of 40mm	
	the bases of Aimshoo and Oimshoo and a baisht of 10 inches
A trapezoid with bases of 4 inches and 9 inches and a height of 10 inches	

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