

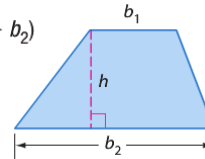
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Areas of Trapezoids, Rhombi and Kites

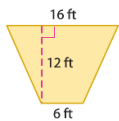
Area of Trapezoid

The area A of a trapezoid is one half the product of the height h and the sum of its bases, b_1 and b_2 .

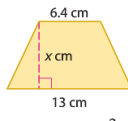
$$A = \frac{1}{2}h(b_1 + b_2)$$



Solve for the Area



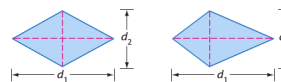
Solve for x



$$A = 78 \text{ cm}^2$$

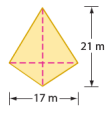
Area of a Rhombi / Kites

The area A of a rhombus or kite is one half the product of the lengths of its diagonals, d_1 and d_2 .



$$A = \frac{1}{2}d_1d_2$$

Solve for the Area



Solve for x

