

## Area of a Triangle: Word Problems

i) The base of a triangle is 7 in and the height is 2 in. What is the area of the triangle?

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ii) A right angle triangle has an area of  $220 \text{ m}^2$ . The base of the triangle is 14 m. What is the height of the triangle?

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iii) An isosceles triangle has an equal arm of 20 in. The other arm is 25 in. Calculate the area of this triangle in  $\text{ft}^2$ .

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iv) A toy has an equilateral shape. The total area of this toy is  $900 \text{ cm}^2$ . Find the sides of this toy.

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v) Jason shows Mary a road traffic sign of equilateral shape. He also informs her that each side of this shape is 3 m. What will be the area of the shape in  $\text{mm}^2$ ?

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vi) The three sides of a scalene triangle are 2 m, 3 m, 4 m. Find the area of this triangle.

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vii) An equilateral triangle having a side length of 12 ft. What is the area of the triangle in  $\text{m}^2$ ?

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