

# Area of Triangles Worksheet – Year 6 Term 3 Wk 3

**14** Convert these triangles into rectangles that are double in area. Record the area of each shape in the grid. The first one has been done for you.

**A**

**C**

**B**

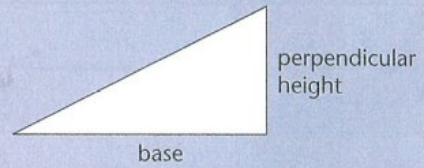
**D**

Shape	Area
<b>A</b>	12 cm <sup>2</sup>
<b>A</b>	6 cm <sup>2</sup>
<b>B</b>	
<b>B</b>	
<b>C</b>	
<b>C</b>	
<b>D</b>	
<b>D</b>	

The area of a triangle is found by applying the formula:

$$\text{Area} = \frac{1}{2} \text{base} \times \text{perpendicular height}$$

This formula actually shows that a triangle is half the area of a rectangle of the same length and perpendicular height.



**15** Use the formula to calculate the area of the triangles.

**a**

**c**

**b**

**d**

**e**

	Base $\times \frac{1}{2}$	Height	Area
<b>a</b>			cm <sup>2</sup>
<b>b</b>			cm <sup>2</sup>
<b>c</b>			cm <sup>2</sup>
<b>d</b>			cm <sup>2</sup>
<b>e</b>			cm <sup>2</sup>