

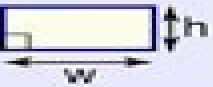

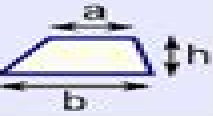

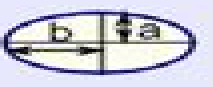



# Area of Plane Shapes

By Surinder Kumar DRP Pathankot

	<p><u>Triangle</u>            Area = <math>\frac{1}{2} \times b \times h</math>            b = base            h = vertical height</p>		<p><u>Square</u>            Area = <math>a^2</math>            a = length of side</p>
	<p><u>Rectangle</u>            Area = <math>w \times h</math>            w = width            h = height</p>		<p><u>Parallelogram</u>            Area = <math>b \times h</math>            b = base            h = vertical height</p>
	<p><u>Trapezoid (US)</u>  <u>Trapezium (UK)</u>            Area = <math>\frac{1}{2}(a+b) \times h</math>            h = vertical height</p>		<p><u>Circle</u>            Area = <math>\pi \times r^2</math>            Circumference = <math>2 \times \pi \times r</math>            r = radius</p>
	<p><u>Ellipse</u>            Area = <math>\pi ab</math></p>		<p><u>Sector</u>            Area = <math>\frac{1}{2} \times r^2 \times \theta</math>            r = radius  <math>\theta</math> = angle in radians</p>

Note: **h** is at right angles to **b**: 

**Example: What is the area of this rectangle?**



The formula is:

$$\text{Area} = w \times h$$

w = width  
h = height

We know **w = 5** and **h = 3**, so:

$$\text{Area} = 5 \times 3 = \mathbf{15}$$

# Geometry Test Of Area Of Plane Figures

**Caren Van Slyke**



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web keywords bs2789 grade 500 7 s g iron stockholders and suppliers delivering to the whole of the uk west yorkshire steel are suppliers of 500 7 sg iron continuous cast bar available in diameters and a limited range of flat sections sometimes referenced as a

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web sometimes referenced as a ductile iron bs2789 grade 500 7 is a spheroidal graphite iron that offers better strength wear resistance and hardening capabilities to that of 400 15 or 420 12 s g iron grades we welcome export enquiries for sg iron bar contact our sales office and consult our shipping policy for further details related specifications

studies on mechanical behavior of sg iron and grey cast iron - Nov 06 2022

web sg iron 500 7 chemical composition carbon 3 28 3 55 3 44 3 47 silicon 1 87 2 09 2 16 2 14 manganese 0 867 0 477 0 476 0 272 copper 0 456 0 553 0 472 0 557 sulphur 0 0866 0 0116 0 0133 0 00846 phosphorus 0 0472 0 0251 0 0230 0 0232 nickel 0 0986 0 0229 0 0162 0 0199 changes are made only in the major elements of