## **Mathematics Locator Reference Sheet**

Area		
Rectangle	A = lw	
Volume		
Rectangular Prism	V = lwh	
	A = area $h = height$ $l = length$ $V = volume$ $w = width$	



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Perimeter	
Rectangle	P = 2l + 2w
Area	
Rectangle	A = lw
	A = area l = length P = perimeter w = width



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## **Mathematics Level M Reference Sheet**

Perimeter		Conversions
Rectangle	P = 2l + 2w	1 pound = 16 ounces
Area		1 meter = 100 centimeters
Rectangle	$A = l_W$	
Triangle	$A = \frac{1}{2} bh$	
Volume		
Rectangular Prism	V = lwh	
	A = area b = base h = height l = length P = perimeter V = volume w = width	



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Perimeter		Conversions
Rectangle	P = 2l + 2w	1 foot = 12 inches
<b>Circumference</b> Circle	$C = 2\pi r$	1 hour = 60 minutes 1 minute = 60 seconds
Area		
Rectangle	A = lw	
Triangle	$A = \frac{1}{2}bh$	
Circle	$A = \pi r^2$	
Volume		
Rectangular Prism	V = lwh	
	A = area b = base C = circumference h = height l = length P = perimeter r = radius V = volume w = width	
Pythagorean Theore	m	
$a^2 + b^2 = c^2$		



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## **Mathematics Level A Reference Sheet**

Perimeter		Conversions
Rectangle	P = 2l + 2w	1  foot = 12  inches
Circumference Circle Area Rectangle Triangle Circle	$C = 2\pi r$ $A = lw$ $A = \frac{1}{2}bh$ $A = \pi r^{2}$	1 kilometer = 1,000 meters 1 mile = 1,609 meters 1 inch = 2.54 centimeters 1 day = 24 hours 1 hour = 60 minutes 1 minute = 60 seconds
Volume Rectangular Prism Cylinder Pyramid Cone Sphere	$V = lwh$ $V = \pi r^{2}h$ $V = \frac{1}{3}Bh$ $V = \frac{1}{3}\pi r^{2}h$ $V = \frac{4}{3}\pi r^{3}$	Pythagorean Theorem $a^{2} + b^{2} = c^{2}$ Quadratic Formula For $ax^{2} + bx + c = 0$ , $x = \frac{-b \pm \sqrt{b^{2} - 4ac}}{2a}$
	A = area B = area of base b = base C = circumference h = height l = length P = perimeter r = radius V = volume w = width	



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