

				Geometric Solid	Surface Area
				Cylinder	$A_{top} = \pi r^2$
				r h	$A_{base} = \pi r^2$
				······································	$A_{side} = 2\pi rh$
					$SA = 2\pi r^2 + 2\pi rh$
				Sphere	$SA = 4\pi r^2$
				r	or
					$SA = \pi d^2$
Geometric Figure	Perimeter	Area		Cone	$A_{side} = \pi rs$
Rectangle	P = 2l + 2w			h	$A_{base} = \pi r^2$
	or	A = lw		/r	$SA = \pi r^2 + \pi rs$
	P = 2(l+w)			Square-Based Pyramid	1
Triangle					$A_{triangle} = \frac{1}{2} bs$ (for each triangle)
	P = a + b + c	$A = \frac{bh}{2}$		h	$A_{base} = b^2$
				b	$SA = 2bs + b^2$
Circle	$C = \pi d$			Rectangular Prism	SA = wh + wh + lw + lw + lh + lh
r	or	$A = \pi r^2$			or
d	$C = 2\pi r$			$h \downarrow $ $w$	SA = 2(wh + lw + lh)
			" _		

## <u>UNIT 4</u>

Geometric Solid	VOLUME				
Cylinder	v= <i>mr</i> ² h	Volume	1 gallon = 4 quarts 1 gallon (UK) $\approx \frac{6}{5}$ gallons (US)	1.06 quarts (US) ≈ 0.26 gallons (US) ≈	≈1L
Sphere	V = <u>4</u> πr <sup>3</sup> 3		32 fluid ounces = 1 quart	3.52 fluid ounces ( 3.38 fluid ounces (	
Cone	V= <u>1</u> #r <sup>2</sup> h	Mass (Weight)	1 ton = 2000 pounds 1 pound = 16 ounces	2.2 pounds $\approx 1 \text{ kg}$ 1 pound $\approx 454 \text{ g}$ 1 ounce $\approx 28.35 \text{ g}$	1 t = 1000 kg 1 kg = 1000 g
Square-Based Pyramid	V=56h				
Rectangular Prism	V=L×w×H				

Temperature	
$C = \frac{5}{9}(F - 32)$	
$F = \frac{9}{5}C + 32$	

## <u>Unit 5</u>

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