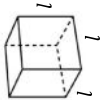
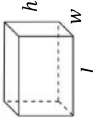
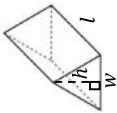
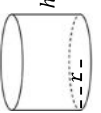
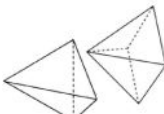
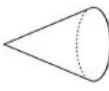
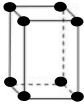
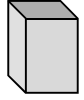
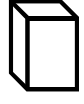
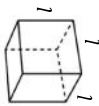


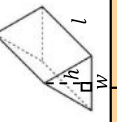
3D Shapes					
					
					
Cube	Cuboid	Triangular Prism	Cylinder	Pyramid	Cone

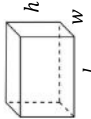
	Vertices - corners
	Faces - surfaces
	Edges - where 2 faces meet

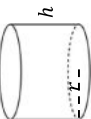
Prism = a solid object with constant cross-section

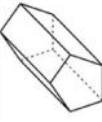
Volume of prism= area of cross-section × length

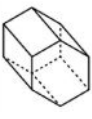
	Cube
Vertices	8
Faces	6
Edges	12
$V = l \times l \times l = l^3$	

	Triangular prism
Vertices	6
Faces	5
Edges	9
$V = \frac{1}{2}(l \times w \times h)$	

	Cuboid
Vertices	8
Faces	6
Edges	12
$V = l \times w \times h$	

	Cylinder
Vertices	0
Faces	3
Edges	2
$V = \pi r^2 h$	

	Pentagonal prism
Vertices	10
Faces	7
Edges	15

	Hexagonal prism
Vertices	12
Faces	8
Edges	18

	Triangle-based pyramid
Vertices	4
Faces	4
Edges	6

	Square-based pyramid
Vertices	5
Faces	5
Edges	8

	Cone
Vertices	1
Faces	2
Edges	1

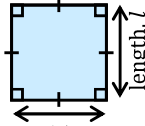
	Sphere
Vertices	0
Faces	1
Edges	0

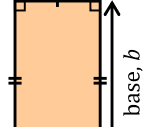
Inverse Operations

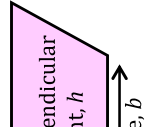
Add	+	-	Subtract
Multiply	×	÷	Divide
Square	2	$\sqrt{\quad}$	Square root

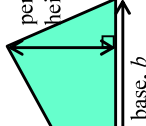
Metric Measures

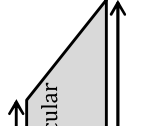
Length	Mass	Capacity
1km = 1000m	1tonne = 1000kg	1litre = 1000cm ³
1m = 100cm	1kg = 1000g	
1cm = 10mm	1g = 1000mg	

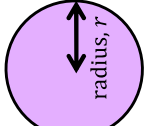
	Square
length, l	
length, l	
Area = length x length	
$A = l^2$	

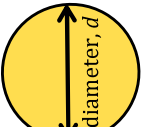
	Rectangle
perpendicular height, h	
base, b	
Area = base × perpendicular height	
$A = bh$	

	Parallelogram
perpendicular height, h	
base, b	
Area = base × perpendicular height	
$A = bh$	

	Triangle
perpendicular height, h	
base, b	
Area = $\frac{1}{2} \times$ base × perpendicular height	
$A = \frac{1}{2}bh$	

	Trapezium
perpendicular height, h	
Area = $\frac{1}{2}$ (sum of parallel sides) × perpendicular height	
$A = \frac{1}{2}(a+b)h$	

	Circle - Area
radius, r	
Area = $\pi \times$ radius × radius	
$A = \pi r^2$	

	Circle - Circumference
diameter, d	
Circumference = $\pi \times$ diameter	
$C = \pi d$	