

Formula	Tier?	How to use the formula in words:	In Algebra:
Area of a Rectangle	F	Multiply the length by the width.	$A=L \times W$
Area of a Triangle	F	Multiply the base by the perpendicular height and divide by two.	$A=\frac{1}{2}bh$
Area of a Parallelogram	F	Multiply the base by the height.	$A=b \times h$
Area of a Trapezium	F	Add together the parallel sides and multiply by the height. Divide your answer by two.	$A=\frac{1}{2}(a+b)h$
Area of a Circle	F	Square the radius and multiply by pi.	$A=\pi r^2$
Circumference of a Circle	F	Double the radius and multiply by pi or multiply the diameter by pi.	$C=2\pi r$ or $C=\pi d$
Volume of a Cuboid	F	Multiply the length by the width by the height.	$V=lwh$
Volume of a Prism	F	Multiply the cross sectional area of the prism by its length.	n/a
Volume of a Sphere	H	Cube the radius and multiply by pi. Multiply your answer by four then divide by three.	$V=\frac{4\pi r^3}{3}$
Surface Area of a Sphere	H	Square the radius and multiply by pi. Multiply your answer by four.	$A=4\pi r^2$
Volume of a Cone	H	Square the base radius of the cone and multiply by pi. Multiply your answer by the perpendicular height. Divide your answer by three.	$V=\frac{1}{3}\pi r^2 h$
Curved Surface Area of a Cone	H	Multiply the base radius of the cone by pi. Multiply your answer by the length of the side of the cone.	$A=\pi r l$
Volume of a Pyramid	H	Multiply the area of the base by the perpendicular height. Divide your answer by three.	n/a
Sine Rule	H	n/a	$a \sin A = b \sin B = c \sin C$

Cosine Rule	H	n/a	$a^2=b^2+c^2-2bc\cos A$
Area of any Triangle	H	n/a	$\frac{1}{2}ab\sin C$
Quadratic Equation	H	n/a	$x=\frac{-b\pm\sqrt{b^2-4ac}}{2a}$