








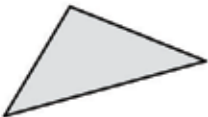






HOW DO I CALCULATE THAT?

Geometry & Measurement

The following formulae to convert the areas and volumes of some common shapes

π (Pronounced Pi) = 22 divided by 7 or (3.142858)

Shape	Area or Volume	Formulae	Results - Area or Volume
Rectangles Squares Cubes	Area Area Volume 	Multiply the length by width. Multiply the length by width. Length x Width x Height 	A (m) x B (m) = Square metres. A (m) x B (m) = Square metres. A (m) x B (m) x H (m) = Cubic metres. 
Circles Circles Sector of a Circles	Circumference Area Area 	Multiply diameter x Pi or (3.142858) (Pi) x Radius x Radius or (R ²) Length of Arc x Half Radius 	D (m) x (Pi) = metres. (R ²) x (Pi) = Square metres. A (m) x R/2 = Square metres. 
Triangles	Area 	Base/2 x Height 	B/2 (m) x H = Square metres.
Ellipse Ellipse Such a sha	Area Volume 	Long axis x Short axis x 0.7854 Long axis x Short axis x 0.7854 x L	D1 (m) x D2 (m) x 0.7854 = Square metres. D1 (m) x D2 (m) x 0.7854 x L (m) = Square metres.
Cylinder Cylinder Such a shape is a storage tank.	Area me 	Circumference of base x Height Area of base x Height	D (m) x (Pi) x H (m) = Square metres. (R ²) x (Pi) x H (m) = Cubic metres.
Sphere Sphere Now to work out the area of the w	Area Volume 	Diameter x Diameter x (Pi) Diameter x Diameter x Diameter x 0.5236	D (m) x D (m) x (Pi) = Square metres. D (m) x D (m) x D (m) x 0.5236 = Cubic metres.
Pyramid Pyramid Maybe the Egyptian pyramid?	Area Volume 	Perimeter of base x Slant Height/3 Area of base x Vert Height/3	(A (m) + B (m) x 2 x Slant height)/3 = Square metres. (A (m) x B (m) x H (m))/3 = Cubic metres. 