

## Applied Arithmetic and Measure - Junior Certificate Mathematics

<b>Foundation Level</b>	<b>Ordinary Level</b>	<b>Higher Level</b>
Perimeter. Area: square, rectangle, triangle.	Perimeter. Area: square, rectangle, triangle.	Perimeter. Area: square, rectangle, triangle.
Volume of rectangular solids (i.e. solids with uniform rectangular cross-section).	Surface area and volume of rectangular solids (i.e. solids with uniform rectangular cross-section).	Surface area and volume of rectangular solids (i.e. solids with uniform rectangular cross-section).
Length of circumference of circle = $\pi$ . Length of diameter Use of formulae for length of circumference of circle ( $2\pi r$ ) and for area of disc (i.e. area of region enclosed by circle, $\pi r^2$ ).	Length of circumference of circle = $\pi$ . Length of diameter Use of formulae for length of circumference of circle ( $2\pi r$ ) and for area of disc (i.e. area of region enclosed by circle, $\pi r^2$ ).	Length of circumference of circle = $\pi$ . Length of diameter Use of formulae for length of circumference of circle ( $2\pi r$ ) and for area of disc (i.e. area of region enclosed by circle, $\pi r^2$ ).
Use of formula for <b>volume of cylinder</b> ( $\pi r^2 h$ ).	Use of formulae for curved surface area and <b>volume of cylinder</b> and sphere.	Use of formulae for curved surface area and <b>volume of cylinder</b> , sphere and right circular cone.
	Application to problems.	Application to problems, including use of the Theorem of Pythagoras.