

Information	Use	Equipment	Numbers to Remember	Explanation
Pythagoras Theorem	To establish a right angle (90 Degrees)	Tape measure, charcoal	$a^2 + b^2 = c^2$ <i>i.e.</i> $3^2 + 4^2 = 5^2$	$a = \text{Width}$ $b = \text{Length}$ $c = \text{Hypotenuse}$ Essential when working on a cloth on the floor (continental method) to grid up accurately . Also known as the 3,4,5 method
Area of a Rectangle/ Square	To calculate the area of a cloth or flat for costing purposes	Ruler	$A = xy$ <i>i.e.</i> $4 \times 5 = 20\text{m}^2$	$A = \text{Area}$ $x = \text{Length}$ $y = \text{Width}$
Area of a Circle	To calculate the area of a cloth or flat for costing purposes	Ruler	$A = \pi r^2$	$A = \text{Area}$ $\pi = 3.14$ $r = \text{Radius}$
The Area of a Triangle	To calculate the area of a cloth or flat for costing purposes	Ruler	$A = \frac{h w}{2}$	$A = \text{Area}$ $h = \text{Height}$ $w = \text{Width}$
Circumference of a Circle	To calculate the length, to draw a star for example	Ruler	$C = \pi d$	$C = \text{Circumference}$ $\pi = 3.14$ $d = \text{Diameter}$
Drawing Angles	To calculate the length, to draw a star for example	Protractor, charcoal	360 degrees in a circle. 90 degrees in a right angle	Use to establish Isosceles, equilateral and scalene triangles, for example.
HVLP Spray Gun	For Safe Spraying of Scenery	Gravity or Suction Feed Spray Gun	Maximum 30 PSI	Spray guns are High Volume Low Pressure , regulate the pressure going through them
Compressor	For use with the Spray equipment	Air Compressor	Limit output to maximum 50 PSI	Compressors have a much higher output than spray guns require, typically 150 PSI . Always check the output before using.
PPE	An acronym	NA	NA	Personal Protection Equipment
COSHH	An acronym	NA	NA	Control of Substances Hazardous to Health
MSDS	An acronym	NA	NA	Manufacturers Safety Data Sheet
SSOW	An acronym	NA	NA	Safe System of Work