

STAGE 7 END POINTS

Know how to construct a frequency table
Construct and interpret Pie Charts
Know how to work out measures of Central tendency from frequency tables
Know how to work out range
Know how to add and subtract negative numbers
Know how to multiply and divide negative numbers
Know prime numbers, factors and multiples
Know how to use positive integer powers and their roots
Know how to apply four operations with decimals
Know how to multiply 3 digits by 2 digits (Long multiplication)
Know the order of operations including brackets
know basic algebraic notations ($a \times b = ab$, $4 \times c = 4c$)
know how to simplify expression by collecting like terms
Know how to simplify expressions by multiplying over single bracket
Know how to substitute numbers into formulae
Know how to write correct to specified decimal places
know how to write correct to 1 S.F.
Know how to write one quantity as a fraction of another
know how to convert between metric units; lengths, mass and capacity
Know how to use the symbols $=$, $\neq$, $<$, $>$, $\leq$, $\geq$
know how to order negative numbers
Know how to simplify ratio
Know how to draw bar model to represent ratio
Know how to add and subtract Mixed fractions
Know how to multiply and divide fractions and Mixed fractions
know geometric notation for equal lengths and parallel lines
Know how labelling notations for lengths and angles
Know the meaning of faces, edges and vertices
Know nets of 3D shapes
know how to solve equations (unknown one one-side)
Know how to find percentage multiplier
Know calculator and non calc methods to find the percentage of an amount
Know how to calculate area of trapezia
Know how to calculate volume of cubes and cuboids using formula
Know how to calculate surface area of cubes and Cuboids
know how to find missing angles using vertically opposite angles property
Know how to find missing angles using angles on straight line
Know equations of lines parallel to axes; eg $y=4$, $x=-2$
Know equations of diagonal lines $y=x$ and $y=-x$
know how to construct and describe a translation