

Maths - Summer 2018 checklist

Year 9 Main 9X2 9X3 9Y2 9Y3

I can solve two step equation problems choosing appropriate operations (all four operations)
I can interpret key features of a straight line
I can increase/decrease an amount by a given percentage
I can operate with decimals and fractions
I can multiply a fraction by a whole number
I can divide a fraction by a whole number
I can expand over a single bracket
I can simplify an algebraic expression
I can use ratios and apply scale in real life contexts
I can solve 2 linear simultaneous equations
I can use estimation to approximate a calculation
I can interpret correlation
I can interpret a scatter diagram
I can calculate the probability of independent events
I can identify congruent or similar shapes
I can solve linear inequalities
I can calculate the perimeter of 2D shapes
I can convert between fractions, decimals and percentages
I can solve a simple quadratic equation
I can identify coordinates in all 4 quadrants
I can calculate the probability of independent events
I can recall simple powers
I can find a fraction of an amount
I can divide a quantity into a given ratio
I can compare quantities using ratio
I can solve equations
I can use ratios and apply scale in real life contexts
I can recognise and continue common sequences
I can find and use the nth term of a linear sequence
I can rearrange and use common formulae
I can calculate the surface area of a prism
I can expand the product of two binomials
I can apply Pythagoras Theorem in 2D
I can calculate the mean, median and mode from a frequency table

Year 9 Extension 9Y1 9X1

I can expand over a single bracket
I can simplify an algebraic expression
I can use ratios and apply scale in real life contexts
I can solve 2 linear simultaneous equations
I can use estimation to approximate a calculation
I can interpret correlation
I can interpret a scatter diagram
I can calculate the probability of independent events
I can identify congruent or similar shapes
I can solve linear inequalities
I can calculate the perimeter of 2D shapes
I can convert between fractions, decimals and percentages
I can solve a simple quadratic equation
I can convert between vulgar fractions and mixed numbers
I can find a percentage of an amount
I can calculate the probability of independent events
I can divide a quantity into a given ratio
I can compare quantities using ratio
I can solve equations
I can use ratios and apply scale in real life contexts
I can recognise and continue common sequences
I can find and use the nth term of a linear sequence
I can rearrange and use common formulae
I can calculate the surface area of a prism
I can expand the product of two binomials
I can apply Pythagoras Theorem in 2D
I can calculate the mean, median and mode from a frequency table
I can use direct proportion in simple contexts
I can convert standard units of length
I can solve a quadratic by completing the square
I can interpret a travel time table
I can calculate the volume of 3D shapes