

Year 7 Bohunt Standards

Grade	Autumn Term	Spring Term	Summer term
8	Fully factorise a quadratic expression, including the difference of two squares	- I can answer standard from questions involving the 4 operations. - I can simplify indices which include fractional and negative powers	- I can rearrange complex formulae or equations that require factorising - I can appreciate correlation and causal effect
7	- Expand and simplify a quadratic - Form an algebraic expression from both written and geometric problems	- I can construct a perpendicular bisector - I can construct the shortest distance from a point to a line	- I can solve linear equations and inequalities involving algebraic fractions where the subject appears as the numerator. - I can rearrange complex formula using the inverse order of operations. - I can analyse correlation and state trends
6	- Round to a given number of significant figures - Multiply and divide using formal written methods for decimals - Expand and simplify expressions involving linear brackets - Fully factorise a linear expression	- I know what makes shapes congruent - I can calculate the volume of prisms - I can write numbers in standard form - I can convert numbers back from standard form - I can simplify indices using the rules of multiplication, division, brackets and the power of zero	- I can solve simple linear equations and inequalities with integer coefficients where the unknown appears on one or both sides of the equation and where the equation involves brackets. - I can draw and interpret data from a scatter diagram
5	- Correctly apply the order of operations during multi-stage calculations - Multiply and divide using formal written methods for integers - Round to a given number of decimal places - Simplify an expression by multiplying and dividing terms - Substitute a value into an expression. Including using BIDMAS	- I can calculate the area of compound shapes - I can calculate the volume of cuboids - I can find the highest common factor and lowest common multiple of two numbers, expressing numbers as a product of their primes - I know the difference between simplify and evaluate and I can evaluate indices.	- I can solve simple linear equations and inequalities with integer coefficients where the unknown appears on both sides of the equation and the solution is a positive or negative integer or decimal. - I can rearrange an equation by inverse operations for multiplication, division, or roots - I can create a frequency tree diagram - I can draw and interpret a pie chart

	Expand a single bracket		
4	- Estimate to support the accuracy of my calculations - Apply and use inverse operations - Use a calculator efficiently and effectively - Know the difference between terms, expressions, and equations - Substitute a value into an expression	- I can calculate the perimeter of compound shapes - I can describe 3D shapes using their properties - I can calculate the area of simple shapes - I can express a number as a product of their primes	- I can solve simple linear equations and inequalities with integer coefficients where the unknown appears on one side of the equation and the solution is a negative integer or decimal. - I can rearrange an equation by inverse operations for addition and/or subtraction - I know the different types of data and how best to represent them - I can create a frequency table using grouped and ungrouped data
3	- Order all types of number, and use inequality signs to relate values to each other - Add and subtract using formal written methods for decimals - Simplify an expression by collecting like terms using addition and subtraction	- I can describe 2D shapes using their properties - I can draw a scale drawing - I can find the highest common factor of two or more numbers through listing factors - I can find the lowest common multiple of two or more numbers through listing numbers - I can square and cube root numbers.	- I can solve two step missing number puzzles. - I can solve simple linear equations and inequalities by using inverse operations or by transforming both sides in the same way. - I can draw and interpret data from a bar chart - I can draw and interpret data from a line graph
2	- Use place value to appreciate the size of a number, and any of its digits - Round to a whole number degree of accuracy - Add and subtract using formal written methods for integers - Use the correct notation for operations in algebra (+, -, x, ÷)	- I can draw and measure accurately - I can calculate the perimeter of simple shapes - I can multiply and divide numbers by 10 and powers of 10 - I know the first 10 prime numbers - To know the first 12 square numbers - I know the first 5 cube numbers	- I can find unknown or missing numbers. - I can find unknown or missing values from simple one step equations. - I can use a tally chart - I can draw and interpret data from a pictogram