

Form and use expressions, formulae,

identities and inequalities. Equation



Algebraic

Techniques and Number

Scatter Graphs: Learn about correlation and relationships between variables.

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Fractions:

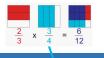
Use various

perform calculations

Coordinates:

Plot coordinates and investigate linear graphs

Multiply and divide fractions and understand the term reciprocal.



1:110 Ratio and Scale:

Understand the notation and its link to multiplication.

Proportional Reasoning and Representations



Directed Number: Gain a better understanding of

working with negatives numbers. Which is greater? -5 or -9? representations to

Fractions/Percentages:

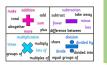
Use various representations to find fractions and percentages of amounts

Multiply/Divide: Continue working on efficient ways to multiply and divide integers and

decimals

Number

Basic operations: Learn new and more efficient ways of performing calculations both mentally and written



links with fractions. decimals and percentages as well as new topics like standard form

Use known facts to

derive other facts and estimate calculations.

Geometry and

Number

Number Sense:

Use mathematical equipment to accurately draw diagrams as well as

use reasoning.

Sets & Probability: An introduction to sets using Venn diagrams

Primes & Proof: Link back to the start of the year with Pascal's triangle and recognize special types of number

Place Value:

Revisit this topic and make

Algebraic Notation: Develop use of algebra using various representations and correct notation. a x b = ab

Sequences:

Represent sequences in various forms. Explore linear and non-linear

within Pascal's triangle Algebraic Thinking and Number

Pascal's Triangle: Investigate lots of interesting properties



Welcome to Mathematics at Hayle Academy



Compare & simplify fractions • Use equivalents to add fractions • Multiply equivalents to add fractions * Multiplishimple fractions by whole numbers * Solve problems using decimals & percentages * Use written division up to 2dp * Introductratio & proportion

Indices:

Use the rules of

indices.

Sequences:

Recognise

arithmetic and

geometric

sequences.

2, 4, 8, 16, 32

Representing Data:

Construct and

interpret tables and

graphs.

Sally's Paintings



Year 6 Curriculum Number- • Calculation • Secure place value & rounding to 10,000,000, including negatives • All written methods, including long division • Use order of operations (not indices) • identify factors, multiples & primes • Solve multi-step number problems

Geometry & Measures - * Confidently use a range of measures & conversions * Calculate area of triangles / parallelograms * Use area & volume formulas * Classify shapes by properties * Know and use angle rules * Translate & reflect shapes, using all four quadrants

Data - • Use pie charts • Calculate mean

Algebra - • Introduce simple use of