



Autumn

Maths KS3 Curriculum Palette

Year 7

Arithmetic Procedures



Order Of Operations

Directed Numbers

Squares Cubes & Roots

Analysing & Displaying Data

Collect Data

Read Frequency Tables

Read & Plot Bar Charts/ Dual Charts

Pie Charts

Stem & Leaf Diagrams

Mean Median Mode & Range

Decimals & Measures



Place Value

Order Decimals

Add/ Subtract Decimals

Multiply & Divide Decimals

Convert Measures

Solve Problems Involving Measures

Read Scales

Round Numbers & Time

Expressions Functions & Formulae

Write Expressions

Simplify

Expand

Factorise

Substitute

Function Machines

Derive Expressions

Properties Of 2D/3D Shapes



Naming 2D Shapes

Symmetry

Parallel & Perpendicular Lines

Types Of Quadrilaterals

Names Of 3D Shapes

Prisms & Pyramids

Nets Of 3D Shapes

Isometric Drawings

Faces/ Vertices & Edges

Rotational Symmetry

Tessellation

Plans & Elevations

Fractions & Percentages

%

Add/ Subtract Fractions

Multiply/ Divide Fractions

Compare Fractions

Equivalent Fractions

Simplify Fractions

Fractions Of Amounts

Fraction Representations

Mixed/ Improper Fractions

Percentage Of Amounts

Percentage Of A Number

Increase/ Decrease By A Percentage

Convert Between Fractions Decimals & Percentages

Perimeter Area & Volume

Area Of Quadrilaterals

Area Of Triangles

Area Of Compound Shapes

Perimeter Of Different Shapes

Volume Of Cubes & Cuboids

Surface Area

Coordinates

Read & Plot Coordinates

Find Missing Coordinates



Lines & Angles

Naming Angles

Labelling Angles

Measuring Angles

Constructing Angles

Angles Rules

Angles In Quadrilaterals & Triangles

Angles In Parallel Lines

Ratio & Proportions

Unitary Proportion

Writing Ratio

Simplify Ratio

Sharing Into Ratio

Equivalent Ratio

Best Buy

Number Skills

Factors & HCF

Multiples & LCM

Further Arithmetic

Prime Numbers

Squares Cubes & Roots

BIDMAS

Calculating With Negatives

Multiply/ Divide By 10/100/ 1000

Estimation

Mental Maths

Sequences & Graphs

Continue Sequences

Find Missing Values In Sequences

Generate Sequences

Picture Sequences

Nth Term

Coordinates

Midpoints



Read & Plot Real Life Graphs

Plot Linear Graphs



Spring

Summer