

Foundation Paper – Maths PLC

AREA	GRADE	TOPIC
Algebra	Grade 3	Four Quadrants
Algebra	Grade 3	Linear Equations one unknown
Algebra	Grade 3	Position to term rules
Algebra	Grade 3	Sequences of square, triangular and cube numbers
Algebra	Grade 3	Using Formulae
Algebra	Grade 4	Changing the subject
Algebra	Grade 4	Collecting like terms
Algebra	Grade 4	Equation of a Line
Algebra	Grade 4	Expressions
Algebra	Grade 4	Factorise single bracket
Algebra	Grade 4	Graphs of Linear Functions
Algebra	Grade 4	Graphs of Quadratic Functions
Algebra	Grade 4	Inequalities on number lines
Algebra	Grade 4	Linear Equations
Algebra	Grade 4	Multiplying single brackets
Algebra	Grade 4	Non standard real life graphs
Algebra	Grade 4	nth term of a linear sequence
Algebra	Grade 4	Plotting Straight Line Graphs
Algebra	Grade 4	Simple Functions
Algebra	Grade 4	Simplify indices
Algebra	Grade 4	Substitution
Algebra	Grade 4	Using the equation of a straight line
Algebra	Grade 4	Writing formulae and expressions
Algebra	Grade 5	Algebraic argument
Algebra	Grade 5	Derive an equation
Algebra	Grade 5	Equation of a Line and Perpendicular lines
Algebra	Grade 5	Expanding binomials
Algebra	Grade 5	Expressions, Equations and Formulae
Algebra	Grade 5	Factorising quadratic expressions
Algebra	Grade 5	Fibonacci, quadratic and simple geometric sequences
Algebra	Grade 5	Graphical solutions to equations
Algebra	Grade 5	Reciprocal Graphs
Algebra	Grade 5	Reciprocal Real Life Graphs
Algebra	Grade 5	Simplify algebraic surds
Algebra	Grade 5	solve linear inequalities one variable
Algebra	Grade 6	Cubic & Reciprocal Graphs
Algebra	Grade 6	Deduce Quadratic Roots Algebraically
Algebra	Grade 6	Inverse Functions
Algebra	Grade 6	linear inequalities in two variables
Algebra	Grade 6	nth term of quadratic sequences
Algebra	Grade 6	Parallel lines
Algebra	Grade 6	Quadratic equations (factorising)
Algebra	Grade 6	Quadratic Equations (graphical methods)
Algebra	Grade 6	Represent linear inequalities

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Algebra	Grade 6	Simultaneous Equations (linear)
Algebra	Grade 6	Turning points
Algebra	Grade 7	Algebraic Fractions
Algebra	Grade 7	Composite Functions
Algebra	Grade 7	Expand the product of two or more binomials
Algebra	Grade 7	Geometric Sequences
Algebra	Grade 7	Quadratic equations (factorisation)
Algebra	Grade 7	Quadratic equations (needing re-arrangement)
Algebra	Grade 7	Quadratic Equations (Quadratic Formula)
Algebra	Grade 7	Represent quadratic inequalities
Algebra	Grade 7	Simultaneous equations (non-linear)
Algebra	Grade 7	Solve quadratic inequalities
Algebra	Grade 7	Translations and reflections of a function
Algebra	Grade 7	Turning points and completing the square
Algebra	Grade 8	Algebraic Proof
Algebra	Grade 8	Exponential graphs
Algebra	Grade 8	quadratic equations (completing the square)
Algebra	Grade 8	Trigonometric Graphs
Algebra	Grade 9	Approximate solutions to equations using iteration
Algebra	Grade 9	Equation of a circle
Algebra	Grade 9	Equation of a tangent
Algebra	Grade 9	Gradient and area under graphs
Geometry and Measures	Grade 3	3D shapes
Geometry and Measures	Grade 3	Circle terminology
Geometry and Measures	Grade 3	Draw diagrams from descriptions
Geometry and Measures	Grade 3	Geometrical terminology & diagrams
Geometry and Measures	Grade 3	Measuring Lines and Angles
Geometry and Measures	Grade 3	Quadrilaterals
Geometry and Measures	Grade 3	Rotations
Geometry and Measures	Grade 3	Translations
Geometry and Measures	Grade 3	Using Standard Units
Geometry and Measures	Grade 4	Alternate & corresponding angles
Geometry and Measures	Grade 4	Area of a Circle
Geometry and Measures	Grade 4	Area of Composite Shapes
Geometry and Measures	Grade 4	Area of Triangles, trapezia and parallelograms
Geometry and Measures	Grade 4	Bearings
Geometry and Measures	Grade 4	Circumference of a Circle
Geometry and Measures	Grade 4	Co-ordinates
Geometry and Measures	Grade 4	Enlargements
Geometry and Measures	Grade 4	Enlargements fractional
Geometry and Measures	Grade 4	Perimeter of 2D Shapes
Geometry and Measures	Grade 4	Plans and Elevations
Geometry and Measures	Grade 4	Polygons
Geometry and Measures	Grade 4	Reflections
Geometry and Measures	Grade 4	Standard trigonometric ratios
Geometry and Measures	Grade 4	Vectors

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Geometry and Measures	Grade 4	Volume of Prisms
Geometry and Measures	Grade 5	Arc lengths and Sectors
Geometry and Measures	Grade 5	Congruence and Similarity
Geometry and Measures	Grade 5	Congruent triangles
Geometry and Measures	Grade 5	Enlargements and negative scale factors
Geometry and Measures	Grade 5	Loci
Geometry and Measures	Grade 5	Pythagoras
Geometry and Measures	Grade 5	Standard Constructions
Geometry and Measures	Grade 5	Surface Area
Geometry and Measures	Grade 5	Trigonometric Ratios
Geometry and Measures	Grade 5	Volume
Geometry and Measures	Grade 6	Combined transformations
Geometry and Measures	Grade 6	Similar Figures
Geometry and Measures	Grade 7	Area of a Triangle
Geometry and Measures	Grade 7	Cosine Rule
Geometry and Measures	Grade 7	Pythagoras and trig 2D and 3D
Geometry and Measures	Grade 7	Sine Rule
Geometry and Measures	Grade 7	Vector arguments and proof
Geometry and Measures	Grade 8	Circle Theorems
Number	Grade 3	Calculate with decimals using written methods
Number	Grade 3	interpret calculator displays
Number	Grade 3	Listing outcomes
Number	Grade 3	Operations
Number	Grade 3	Ordering numbers
Number	Grade 3	Using Standard Units
Number	Grade 4	Adding and subtracting fractions
Number	Grade 4	Checking Calculations
Number	Grade 4	Compound Measures
Number	Grade 4	Converting Metric Units
Number	Grade 4	Estimation
Number	Grade 4	Fractions and percentages
Number	Grade 4	Fractions and ratio problems
Number	Grade 4	LCM and HCF
Number	Grade 4	Multiples and Factors
Number	Grade 4	Multiplying fractions
Number	Grade 4	Order of operations
Number	Grade 4	Powers
Number	Grade 4	Rounding
Number	Grade 4	Standard Form
Number	Grade 4	Terminating decimals and fractions
Number	Grade 5	Calculating with fractions
Number	Grade 5	Divide by a fraction including improper fractions and mixed numbers
Number	Grade 5	Error Intervals
Number	Grade 5	Index laws
Number	Grade 5	Limits of Accuracy

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Number	Grade 6	Finance
Number	Grade 6	Powers and Roots
Number	Grade 6	Product of prime factors
Number	Grade 6	Using Pi
Number	Grade 7	Index laws (Negative and Fractional)
Number	Grade 7	Product rule
Number	Grade 7	Recurring decimals
Number	Grade 7	Upper and Lower Bounds
Number	Grade 8	Surds
Probability	Grade 3	Frequency trees
Probability	Grade 3	Probability of equally likely outcomes
Probability	Grade 4	Mutually exclusive sum
Probability	Grade 4	Relative frequency
Probability	Grade 4	Tables and grids
Probability	Grade 4	Theoretical probability
Probability	Grade 4	Unbiased samples
Probability	Grade 4	Venn diagrams
Probability	Grade 5	Probability of dependent events
Probability	Grade 5	Probability of independent events
Probability	Grade 7	Conditional probability
Ratio Proportion RatesofChange	Grade 3	Convert standard units
Ratio Proportion RatesofChange	Grade 3	Express one quantity as a fraction of another
Ratio Proportion RatesofChange	Grade 3	Use Ratio Notation
Ratio Proportion RatesofChange	Grade 3	Use scale factors diagrams and maps
Ratio Proportion RatesofChange	Grade 4	Compare Fractions, Decimals, Percentages
Ratio Proportion RatesofChange	Grade 4	Compare lengths, areas and volumes
Ratio Proportion RatesofChange	Grade 4	Comparing quantities as a ratio
Ratio Proportion RatesofChange	Grade 4	Convert Standard Units
Ratio Proportion RatesofChange	Grade 4	Division of a quantity as a ratio
Ratio Proportion RatesofChange	Grade 4	Express one quantity as a percentage of another
Ratio Proportion RatesofChange	Grade 4	General Iterative Processes
Ratio Proportion RatesofChange	Grade 4	Percentage changes
Ratio Proportion RatesofChange	Grade 4	Problems involving ratios
Ratio Proportion RatesofChange	Grade 4	Proportion and ratio
Ratio Proportion RatesofChange	Grade 4	Ratio and fractions
Ratio Proportion RatesofChange	Grade 4	Ratio Sharing
Ratio Proportion RatesofChange	Grade 4	Simple Interest and Financial Maths
Ratio Proportion RatesofChange	Grade 5	Compound Units
Ratio Proportion RatesofChange	Grade 5	Convert standard units
Ratio Proportion RatesofChange	Grade 5	Direct and Inverse Proportion Problems
Ratio Proportion RatesofChange	Grade 5	Growth and Decay
Ratio Proportion RatesofChange	Grade 5	Interpret Proportions
Ratio Proportion RatesofChange	Grade 5	Percentage Changes
Ratio Proportion RatesofChange	Grade 5	Reverse Percentage Change
Ratio Proportion RatesofChange	Grade 5	Scale Factors and Similarity
Ratio Proportion RatesofChange	Grade 6	Solve Proportion Problems

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Ratio Proportion RatesofChange	Grade 9	Gradient & the rate of change
Statistics	Grade 3	Averages small data sets
Statistics	Grade 3	Charts and diagrams
Statistics	Grade 3	Pie charts
Statistics	Grade 3	Stem and Leaf
Statistics	Grade 3	Types of data
Statistics	Grade 3	Vertical line charts
Statistics	Grade 4	Comparing data using graphs
Statistics	Grade 4	Correlation
Statistics	Grade 4	Mean from a frequency table
Statistics	Grade 4	Mean from grouped data
Statistics	Grade 4	Populations
Statistics	Grade 4	Sampling
Statistics	Grade 4	Scatter Diagrams
Statistics	Grade 4	Time series
Statistics	Grade 5	Comparing distributions
Statistics	Grade 5	Histograms with equal class widths
Statistics	Grade 5	Scatter graphs
Statistics	Grade 6	Boxplots
Statistics	Grade 6	Cumulative frequency
Statistics	Grade 6	Histograms with unequal class widths
Statistics	Grade 6	Quartiles and interquartile range