Maths Vocabulary

Year 7

Algebraic thinking Exploring sequences.

- Term
- Constant
- Sequence
- Difference
- Rule
- Arithmetic
- Position
- Geometric
- Term-to-term
- Fibonacci
- Linear
- Non-linear

Algebraic thinking Understand and use algebraic notation

- Function
- Bar model
- Input
- Coefficient
- Output
- Variable
- Operation
- Expression
- Square
- Substitute
- Inverse

Algebraic thinking Equality and Equivalence

- Equality
- Term
- Equation
- Like
- Equals
- Unlike
- Bar Model
- Coefficient
- Solve
- Index
- Solution
- Expression
- Inverse

Place value and Proportion Place value and ordering integers and decimals

- Integer
- Significant figure
- Place value
- Interval
- Index
- Ascending
- Power
- Descending
- Standard form
- Range
- Median

Place value and Proportion Fraction, decimal & percentage equivalence

- Place value
- Pie charts
- Tenths
- Denominator
- Hundredths
- Numerator
- Equivalent
- Division
- Percent
- Quotients
- Percentage
- Mixed number
- Convert

Applications of Number Solving problems with addition and subtraction

- Sum
- Estimating
- Difference
- Polygon
- Commutative
- Profit
- Number line
- Loss
- Inverse
- Statement
- Partition
- Credit
- Column
- Frequency
- Method
- Significant figure
- Place holder

Applications of Number Solving problems with multiplication and division

- Product
- Efficient
- Inverse
- Divisor
- Factor
- Dividend
- Venn
- Quotient
- Diagram
- Operation
- LCM
- Perpendicular height
- Milli-
- Parallel
- Centi-
- Kilo-
- Average
- Multiple
- Expression

Fractions and percentages of amounts

- Numerator
- Denominator
- Original
- Percent
- Percentage
- Equivalent

Directed Number Operations and equations with directed number

- Negative
- Substitute
- Ascending
- Solve
- Descending
- Solution
- Zero Pair
- Indices
- Commutative
- Exponent
- Inverse
- Power
- Fraction button
- Root

Fractional thinking Addition and subtraction of Fractions

- Equal parts
- Linear sequence
- Mixed number
- Geometric sequence
- Top-heavy fraction
- Expression
- Unit fraction
- Multiple
- Common denominator

Lines and angles Constructing, measuring and using geometric notation

- Notation
- Construct
- Polygon
- Parallel
- Segment
- Perpendicular
- Degrees
- Types of triangles
- Quarter turns
- Types of quadrilaterals
- Interior
- Regular polygon
- Exterior
- Vertex
- Sector

Lines and angles Developing geometric reasoning

- Vertically opposite
- Corresponding
- Alternate
- Sum
- Co-Interior
- Interior
- Proof
- Regular
- Parallel
- Perpendicular
- Transversal

Reasoning with number Developing number sense

- Number line
- Equation
- Factors
- Expression
- Rounding
- Efficient
- Significant figure
- Over/underestimate
- Addend
- Equality

Reasoning with number Sets and Probability

- Universal Set
- Certain
- Element
- Impossible
- Set
- Bias
- Intersect
- Event
- Union
- Sample Space
- Member

Reasoning with number Prime numbers and Proof

- Multiples
- HCF
- Term
- LCM
- Factor
- Factorise
- Prime number
- Triangular number
- Square number

Year 8

Proportional reasoning Ratio and Scale

- Ratio
- Equal parts
- Proportion
- Scale
- Linear
- Gradient
- Multiplier
- Table of values
- Substitution
- Sequence
- Non-Linear
- Fibonacci
- Term
- Position

Algebraic techniques Indices

- Metre
- Kilo...
- Milli...
- Centi...

Developing Geometry Angles in parallel lines and polygons

- Multiplier
- Parts
- Total
- Common Factor
- Simplify
- Circumference
- Pi
- Diameter
- Gradient

Proportional Reasoning Multiplicative Change

- Linear
- Ratio
- Proportion
- Axes
- Currency
- Exchange rate
- Rate
- Enlargement
- Scale factor
- Conversion

Proportional reasoning Multiplying and dividing fractions

- Unit fraction
- Numerator
- Denominator
- Reciprocal
- Simplify
- Term
- Simplest form

Representations Working with the Cartesian plane

- Quadrant
- Axis
- Origin
- Parallel
- Equation
- Curve
- Non-Linear
- Midpoint

Representations Representing data

- Variable
- Relationship
- Correlation
- Line of best fit
- Extrapolate
- Discrete
- Continuous
- Qualitative
- Quantitative
- Frequency
- Tally

Representations Tables and probability

- Outcomes
- Sample space
- Probability
- P(Event)
- Set
- And/Or
- Region

Algebraic techniques Brackets, equations and inequalities

- Term
- Simplify
- Expand
- Factorise
- HCF
- Binomial
- Solve
- Inequality

Algebraic techniques Sequences

- Linear
- Expression
- Simplify
- Term
- Indices
- Index
- Base
- Power
- Exponent

Developing Number Fractions and percentages

- Equivalent
- Efficient
- Multiplier
- Decrease
- Increase
- Interest
- Original
- Profit/Loss

Developing Number Standard Index Form

- Indices
- Standard form
- Base
- Power
- Place value
- Scientific notation (SCI on calculator)
- Reciprocal
- Root

Developing Number Number Sense

- Round
- Significant
- Decimal place
- Estimate
- Credit
- Debit
- Transversal
- Corresponding
- Alternate
- Co-Interior
- Supplementary
- Interior
- Exterior
- Regular polygon
- Bisect
- Compasses
- Perpendicular

Developing Geometry Area of trapezia and circles

- Formula
- Compound
- Radius
- In terms of Pi

Developing Geometry Line symmetry and reflection

- Reflect
- Line symmetry
- Image
- Object
- Congruent

Reasoning with Data The data handling cycle

- Hypothesis
- Investigation
- Questionnaire
- Pictogram
- Line graph

Reasoning with Data Measures of location

- Modal value
- Modal class

Year 9

Reasoning with algebra Straight line graphs

- Intercept
- Gradient
- y-intercept
- Real life
- Asymptote
- Negative Reciprocal

Reasoning with algebra Forming and solving equations

- Inverse
- Inequality
- Equation
- Coefficient
- Formula
- Make the subject of
- Inverse operation
- Square / root

Constructing in 2 and 3 dimensions Three Dimensional shapes

- Dimensions
- Front/side/plan elevation
- Face
- Surface area
- Edge
- Area of face
- Vertex

congruency

- Locus
- SSS, SAS, ASA, RHS
- Loci
- Construction lines
- Congruent
- Corresponding sides or angles
- Equidistant
- Arc
- Bisector

Reasoning with number Numbers

- Integer
- Irrational
- Real
- Surd
- Sum
- Product
- Quotient
- HCF / LCM
- Standard form

Reasoning with number Using percentages

- Reverse
- Original
- Bar Model
- Power/index
- Multiplier

Reasoning with number Maths

- Per annum
- VAT
- Simple
- compound
- Unitary

Reasoning with geometry Deduction

- Alternate
- Corresponding
- Co-Interior
- Transversal
- Interior
- Exterior
- Counterexample

Reasoning with geometry Rotation and translation

- Rotational
- Line Symmetry
- Clockwise
- Centre
- Image
- Object
- Translate
- Vector

Reasoning with geometry Pythagoras' Theorem

- Hypotenuse
- Pythagoras Theorem
- Scale factor
- Similar

Reasoning with proportion Solving ratio and proportion problems

- Scale factor
- Multiplier
- Inverse
- Direct
- Relationship
- Equal parts
- Unit cost

Reasoning with proportion Rates

- Speed
- Per
- Convert
- Density
- Constant rate
- Flow rate

Representations and revision Probability

- Event
- Outcome
- Probability
- Frequency
- Independent
- Venn diagram
- Two-way table

- Prism
- Net

Constructing in 2 and 3 dimensions Constructions and

and money

- Debit
- Credit
- Expense
- Deposit
- Rate

- Square root

Reasoning with proportion Enlargement and similarity

- Object
- Image

Representations and revision Algebraic representation

- Quadratic
- Parabola
- Turning point