Year 6 Learning

Curriculum overview

Year 6 Maths, English and KS2 Maths mock papers

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Maths | Number and calculation

Work with whole numbers and integers, then practise calculations with fractions.

Numbers and Place Value

- Place Value I
- Place Value II
- Place Value III
- Compare Numbers
- Find Largest and Smallest Numbers
- Write Numbers in Words
- Write Numbers in Digits
- Rounding Numbers up to Ten Million
- Rounding Numbers up to Ten Thousand
- Understanding Integers
- Integer Number Line
- Graph Integers on Number Line
- Opposite Integers
- Word Problems Understanding Integers
- Find Reasonable Answer

Operations

- Multiply 2-Digit Numbers by 3-Digit Numbers I
- Multiply 2-Digit Numbers by 3-Digit Numbers II
- Multiply 2-Digit Numbers by 4-Digit Numbers I
- Multiply 2-Digit Numbers by 4-Digit Numbers II
- Multiply Word Problems
- Divide 4-Digit Numbers by 2-Digit Numbers I
- Long Division Word Problems
- Long Division Word Problems Remainder
- Multiply Numbers Ending in Zeros
- Divide Numbers Ending in Zeros
- Prime and Composite Numbers
- Highest Common Factor
- Lowest Common Multiple
- Evaluate Numerical Expressions
- Evaluate Numerical Expressions with Nested Grouping
- Addition and Subtraction Multi-step Word Problems
- Mixed Operations Multi-step Word Problem
- Division and Remainders Multi-step Word Problems

Fractions

- Equivalent Fractions
- Fractions in Lowest Terms
- Lowest Common Denominator
- Equivalent Fractions with Lowest Common Denominator
- Plot Fractions on Number Line
- Order Fractions
- Adding Fractions
- Subtracting Fractions
- Adding Three Fractions
- Adding and Subtracting Fractions Word Problems
- Adding and Subtracting 3 Fractions Word Problems
- Adding Mixed Numbers
- Adding Mixed Numbers II
- Subtracting Mixed Numbers
- Adding and Subtracting Mixed Numbers Word Problems
- Multiplying Fractions
- Multiplying Fractions Word Problems
- Dividing Fractions
- Express Division as Fractions
- Express Division as Mixed Numbers

Maths | Decimals, ratio and algebra

Convert between number forms, solve proportion problems and use algebra to describe patterns.

Decimals

- Place Value in Decimals
- Convert Fractions to Decimals
- Multiply Decimals by 10, 100 and 1,000
- Multiplying Decimals Find Missing Value
- Divide Whole Numbers by 10, 100 and 1,000
- Divide Decimals by 10, 100 and 1,000
- Rounding Decimals
- Multiplying Decimals Word Problems
- Word Problems on Multiplying Decimals by Two-Digit Whole Numbers
- Dividing Decimals Word Problems

Ratio, Proportion and Rates

- Equivalent Ratios
- Find the Equivalent Ratio
- Use Ratios to Form a Proportion
- Solve the Proportion
- Find the Equivalent Rates
- Finding Percent of a Number
- Finding the Percent Word Problems
- Compare the Percentages Word Problems
- Scale Drawings
- Multistep Word Problems
- Fractions of a Number Word Problems
- Convert between Fractions Percentages and Decimals
- Convert between Fractions Percentages and Decimals Word Problems

Algebra

- Evaluating Algebraic Expressions
- Solving Equations with Two Unknowns
- Addition and Subtraction Step Patterns
- Identifying Linear Number Patterns
- Solving Real World Sequences
- Writing Algebraic Expressions from Text
- Converting Real World Stories to Equations
- Testing Coordinate Pairs
- Forming Equations with Two Unknowns

Maths | Measurement, geometry and statistics

Work with units, shapes and coordinates, then read charts and calculate the mean.

Measurement

Estimating Metric Measures
Estimating Imperial Measures
Convert Metric Units of Length
Compare Metric Units of Length
Convert Metric Units of Mass
Compare Metric Units of Mass
Convert Metric Units of Volume
Compare Metric Units of Volume
Measure Problems with Metric Units
Convert Imperial Units of Length
Compare Imperial Units of Length
Convert Imperial Units of Mass
Compare Imperial Units of Mass
Convert Imperial Units of Volume
Compare Imperial Units of Volume
Convert Time Units
Word Problems with Time Units
Convert between Miles and Kilometres
Relationship between Area and Perimeter
Find the Area and Perimeter of Rectangles
Find the Missing Dimension of Rectangles
Area of a Parallelogram
Area of a Right-angled Triangle
Volume of a Cuboid
Find the Missing Dimension of a Cuboid

Geometry

Identify 3D Shapes
Identify Faces Edges and Vertices
Match the Description to the 3D Shape
Identify Triangles
Find the Missing Angle in Triangles
Find the Perimeter of a Triangle
Find the Area of a Triangle
Find the Height of a Triangle
Identify Quadrilaterals
Find a Missing Angle in a Quadrilateral
Identify Parts of a Circle
Find the Radius and Diameter of a Circle
Types of Angles
Find a Missing Vertically Opposite Angle
Find the Missing Supplementary Angle
Find the Missing Adjacent Angle
Find the Missing Angle Mixed Questions
Find the Coordinate of a Point
Find the Coordinate of an Object
Find the Object on a Coordinate Plane
Identify the Quadrant
Translation of a Point
Translation of a Shape
Reflection of a Point
Reflections of a Shape

Statistics

Pie Charts with Fractions
Pie Charts with Percentage
Pie Charts Central Angles
Bar Chart Questions
Line Charts Questions
Create Line Charts
Data Table Questions
Find the Mean of Number Set
Calculating Values from a Known Mean
Find the Mean with Data Tables
Find the Mean with Bar Charts

English | Words, reading and grammar

Build vocabulary, read across genres and practise how words and sentences work.

Word Structure and Meaning

- Words with the Prefix pre-
- Words with the Prefix dis-
- Words with the Prefix mis-
- Words with the Prefixes in-, il-, im- and ir-
- Words with the Prefix re-
- Words with the Prefix sub-
- Words with the Prefix inter-
- Words with the Prefix super-
- Words with the Prefix anti-
- Words with the Prefix auto-
- Words with the Prefix co- and Hyphens
- Verb Suffixes -ate, -ise and -ify
- Suffix Rules for Words Ending in -fer
- Endings -cious and -tious
- Endings -cial and -tial
- Endings -ant, -ance, -ent and -ence
- Endings -able, -ably, -ible and -ibly
- Words with Multiple Meanings
- Words with Multiple Meanings as Verbs and Nouns
- Antonyms in Context
- Find Words Using Context
- Find Words Using Synonyms
- Use Context to Identify Meaning of a Word
- Latin Roots Perception and Action
- Latin Roots Motion and Mind
- Greek Roots Science and Society
- Prefix and Root Families Comparison
- Extended Root Families

Comprehension / Part 1

- Fantasy Fiction
- Contemporary Fiction
- Historical Fiction
- Mystery and Detective Fiction
- Science Fiction and Thrillers
- Myths Legends and Traditional Stories
- Classic Fiction and Literary Heritage
- Informational Texts Habitats and Ecosystems
- Informational Text Space
- Informational Text History
- Informational Text Inventions
- Comparing Author Opinions
- Comparing Non-fiction Facts
- Comparing Contrasting Characters
- Identify Character Feelings
- Comparing Characters
- Drawing Inference I
- Finding Supporting Idea
- Drawing Inference
- Make Predictions About Story
- Determining the Main Idea
- Finding the Main Idea from Key Details

Comprehension / Part 2

- Drawing Inference II
- Drawing Inference III
- Defining Main Idea
- Identify Supporting Details
- Identify Supporting Details in Fiction
- Figures of Speech Meaning and Tone
- Difference between Related Words
- Order of Events
- Understanding Connotation
- Compare the Informational Texts
- Understanding Cause and Effect
- Match Problems with Solutions
- Find the Text Structure
- Identify Setting of a Story
- Formal or Informal
- Simile or Metaphor
- Simile Analysis
- Metaphor Analysis
- Identify Sensory Details
- Identify the Facts
- Categorise Information by Topics

Grammar

- Use of Perfect Verb Tenses
- Use of Perfect Verb Tenses II
- Ordering Adjectives
- Comparative Superlative Adjectives
- Use of Comparative and Superlative Adjectives
- Use of More and Most
- Use of Modal Verbs
- Use of Who and Whom
- Use of Relative Pronouns
- Find the Relative Pronoun
- What Modal Verbs Indicate
- Past Present or Future Tense
- Regular Past Tenses
- Irregular Past Tenses
- Use of Past Present Future Tenses
- Verb Tense Consistency
- Use of Conjunctive Adverbs
- Finding Prepositions
- Objects of Prepositions
- Identify Prepositional Phrases
- Transition Words

KS2 Maths mock papers

Practise arithmetic and reasoning across the three KS2 Maths paper types.

Paper 1 | Arithmetic

- Mock I
- Mock II
- Mock III
- Mock IV

Paper 2 | Reasoning

- Mock I
- Mock II
- Mock III
- Mock IV
- Mock V
- Mock VI
- Mock VII

Paper 3 | Reasoning

- Mock I
- Mock II
- Mock III
- Mock IV