JRA Tutors
Private tuition and small online Study Pods

KS2 SATs Topic Guide

Year 6: Maths, Reading, and Grammar, Punctuation and Spelling

How to read this guide

Year 6 SATs (the end of Key Stage 2) cover **Maths** (an arithmetic paper plus reasoning papers), **English Reading**, and **English Grammar, Punctuation and Spelling**. This guide lists what each test draws on, based on the national curriculum and the national test frameworks.

Orange cards are Maths; green cards are Reading, Grammar, Punctuation and Spelling.

Maths: Number and place value

Year 6

- Reading, writing, ordering and comparing numbers up to 10,000,000
- Rounding numbers
- Negative numbers in context
- Powers of 10

Maths: Calculations

Year 6

- Written methods, including long multiplication and long division
- Order of operations
- Mental methods, estimating and checking
- Factors, multiples, primes, squares and cubes

Maths: Fractions, decimals and percentages

Year 6

- Comparing, ordering and simplifying fractions
- Adding and subtracting fractions with different denominators
- Multiplying fractions; dividing fractions by a whole number
- Decimals up to three places
- Equivalence of fractions, decimals and percentages
- Percentages of amounts

Maths: Ratio, algebra and measurement

Year 6

- Ratio, proportion and scaling; unequal sharing
- Simple formulae, number sequences and missing-number problems
- Converting units of measure
- Perimeter, area (including triangles and parallelograms) and volume
- Time and money problems

Maths: Geometry and statistics

Year 6

- Properties of 2D and 3D shapes, and nets
- Angles on a line, at a point, and in triangles and quadrilaterals
- Circles: radius, diameter and circumference
- Coordinates in all four quadrants; translation and reflection
- Line graphs, pie charts and tables; calculating the mean

Reading

Year 6: one paper with several texts

- Understanding word meanings in context
- Retrieving and recording information
- Summarising main ideas
- Making inferences and backing them up with evidence
- Predicting what might happen
- How a text is organised and how its parts fit together
- How the author's word choices create meaning
- Making comparisons within a text
- Texts include fiction and non-fiction; poetry can also appear

Grammar

Year 6: grammar and punctuation test

- Word classes: nouns, pronouns, verbs, adjectives, adverbs, prepositions, conjunctions, determiners
- Sentence types: statements, questions, commands, exclamations
- Phrases and clauses, including relative clauses
- Tenses, including the perfect and progressive forms
- Active and passive voice; modal verbs; the subjunctive
- Standard and non-standard English; formal and informal writing
- Cohesion: how pronouns, conjunctions and adverbials link ideas
- Prefixes, suffixes, synonyms and antonyms

Punctuation and spelling

Year 6: punctuation within the grammar test, plus a separate spelling test

- Capital letters, full stops, question and exclamation marks
- Commas: lists, clauses and fronted adverbials
- Apostrophes for contractions and possession
- Speech punctuation (inverted commas)
- Colons, semicolons, dashes, hyphens and brackets
- Spelling rules for prefixes, suffixes and plurals
- Homophones and commonly confused words
- Silent letters and unusual patterns; the Year 5 and 6 word list

Not sure what your child needs?

We start with a short diagnostic to see which areas of each paper need the most work, then keep practice relaxed and confidence-building.

To book a free 15-minute diagnostic call:
jratutors.co.uk or WhatsApp +44 7943 204223.