



Age-Related Expectations (ARE) for Year 6 Maths

Number – Number and Place Value

- Read, write, order, and compare numbers up to 10,000,000 and determine the value of each digit.
- Round any whole number to a required degree of accuracy (nearest 10, 100, 1,000, 10,000, 100,000, 1,000,000).
- Use negative numbers in context and calculate intervals across zero.
- Solve number and practical problems that involve all of the above.

Number – Addition, Subtraction, Multiplication, and Division

- Perform mental calculations, including with mixed operations and large numbers.
- Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication.
- Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders appropriately.
- Use knowledge of the order of operations to carry out calculations involving the four operations.
- Solve multi-step problems involving addition, subtraction, multiplication, division, and combinations of these, including problems in context.

Number – Fractions, Decimals, and Percentages

- Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
- Compare and order fractions, including fractions >1 .
- Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.
- Multiply simple pairs of proper fractions and divide proper fractions by whole numbers.
- Associate a fraction with division to calculate decimal fraction equivalents (e.g., $\frac{3}{4} = 0.75$).
- Recall and use equivalences between simple fractions, decimals, and percentages, including in different contexts.
- Solve problems involving fractions, decimals, and percentages, including those that require more than one step.

Ratio and Proportion

- Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.
- Solve problems involving similar shapes where the scale factor is known or can be found.
- Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.

Algebra (Introduction)

- Use simple formulae expressed in words.
- Generate and describe linear number sequences.
- Express missing number problems algebraically.

Measurement

- Convert between different units of metric measure (e.g., km/m, m/cm, cm/mm, g/kg, l/ml) and between miles and km.
- Understand and use approximate equivalences between metric and imperial units.
- Calculate and solve problems involving:
 - Perimeter of composite rectilinear shapes
 - Area of rectangles, triangles, and parallelograms
 - Volume of cubes and cuboids
- Solve problems involving time, including timetables, and convert between units of time.



Geometry – Properties of Shapes

- Draw 2D shapes using given dimensions and angles.
- Recognise, describe, and build 3D shapes, including nets.
- Compare and classify geometric shapes based on properties and sizes, including angles.
- Illustrate and name parts of circles, including radius, diameter, and circumference, and know that the diameter is twice the radius.
- Recognise angles as a property of shape or a description of a turn; identify angles at a point, angles at a point on a straight line, and vertically opposite angles.
- Draw and measure angles accurately.
- Calculate missing angles in triangles, quadrilaterals, and regular polygons.

Geometry – Position and Direction

- Describe positions on the full coordinate grid (all four quadrants).
- Draw and translate simple shapes on the coordinate plane, reflect them in the axes, and understand the effect of translations and reflections.

Statistics

- Interpret and construct pie charts and line graphs and use these to solve problems.
- Calculate and interpret the mean as an average.
- Solve comparison, sum, and difference problems using information presented in a variety of graphical forms.



Age-Related Expectations (ARE) for Year 6 Writing

Composition

- Plan writing by:
 - Identifying the audience and purpose, selecting appropriate grammar and vocabulary.
 - Noting and developing initial ideas.
 - Considering the organisation of paragraphs for cohesion and clarity.
- Draft and write by:
 - Writing effectively for a variety of purposes and audiences, including narratives, explanations, persuasion, letters, reports, and arguments.
 - Using a range of sentence structures for effect.
 - Using paragraphs to structure writing logically.
- Evaluate and edit by:
 - Assessing and improving the effectiveness of their own and others' writing.
 - Proposing and making changes to vocabulary, grammar, and punctuation to enhance meaning.
 - Proof-reading for spelling and punctuation errors.

Vocabulary, Grammar, and Punctuation

- Use **expanded noun phrases** with multiple modifiers.
- Use **fronted adverbials** and punctuate with a comma.
- Use **a wide range of sentence openers** to create interest.
- Use **subordination** (using when, if, because, although) and **coordination** (using or, and, but) accurately to extend sentences.
- Use **relative clauses** (who, which, where, when, whose, that, or with an omitted relative pronoun).
- Use **modal verbs** and **adverbs to indicate degrees of possibility**.
- Use **brackets, dashes, or commas** to indicate parenthesis.
- Use **colons, semi-colons, and hyphens** correctly, including in lists.
- Use **inverted commas and other punctuation** accurately for direct speech.
- Use **apostrophes for possession and contractions** correctly.
- Maintain **punctuation consistently and accurately**: capital letters, full stops, question marks, exclamation marks.

Spelling

- Spell:
 - Common exception words for Year 6 (e.g., accommodate, communicate, relevant).
 - Words with prefixes and suffixes taught so far (e.g., -ation, -tion, -sion, -cial, -tial).
 - Words with silent letters and unusual patterns (e.g., rhyme, queue, sovereign).
- Use dictionaries to check spelling and meaning.
- Use spelling rules and patterns consistently across writing.

Handwriting

- Maintain **legible, fluent, and joined handwriting** consistently.
- Use **consistent size, proportion, and spacing** for letters.
- Write at a **speed and fluency suitable for extended writing**, keeping letters clear and correctly formed.



Age-Related Expectations (ARE) for Year 6 Reading

Word Reading

- Continue to read fluently with focus on understanding rather than decoding.
- Confidently apply knowledge of vocabulary, roots and affixes to tackle unfamiliar words.

Comprehension

- Read a wide range of texts with fluency and understanding.
- Discuss and evaluate how authors use language, including figurative language.
- Make comparisons within and across texts.
- Identify themes and conventions across genres.
- Summarise ideas and identify key details.
- Draw inferences with evidence and explain how they are supported.
- Distinguish between fact and opinion.
- Retrieve and record information precisely.
- Justify personal views and preferences with reference to the text.