



## Age-Related Expectations (ARE) for Year 5 Maths

### Number – Number and Place Value

- Read, write, order, and compare numbers to at least 1,000,000 and determine the value of each digit.
- Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.
- Interpret negative numbers in context, including temperature and position.
- Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000, or 100,000.
- Solve number problems and practical problems that involve all of the above.

### Number – Addition and Subtraction

- Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

### Number – Multiplication and Division

- Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
- Multiply and divide numbers mentally, drawing upon known facts.
- Multiply and divide whole numbers and those involving decimals by 10, 100, and 1,000.
- Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.
- Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately.
- Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares, and cubes.
- Solve problems involving addition, subtraction, multiplication, and division.

### Number – Fractions (including decimals and percentages)

- Compare and order fractions whose denominators are multiples of the same number.
- Identify, name, and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.
- Add and subtract fractions with the same denominator and denominators that are multiples of the same number.
- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.
- Read and write decimal numbers as fractions (e.g.,  $0.71 = 71/100$ ).
- Recognise and use thousandths and relate them to tenths, hundredths, and decimal equivalents.
- Round decimals with two decimal places to the nearest whole number and to one decimal place.
- Read, write, order, and compare numbers with up to three decimal places.
- Solve problems involving number up to three decimal places.
- Solve problems involving percentages and understand percentage as “number of parts per 100”.

### 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.
- Measure and calculate the perimeter of composite rectilinear shapes in cm and m.
- Calculate and compare the area of rectangles (including squares), and estimate the area of irregular shapes.
- Estimate volume and capacity; solve problems involving converting between units of measure.
- Solve problems involving time, including timetables.



## Geometry – Properties of Shapes

- Identify 3D shapes, including cubes, cuboids, prisms, pyramids, spheres, cones, and cylinders, from 2D representations.
- Know angles are measured in degrees; measure and compare angles.
- Identify acute, obtuse, and reflex angles.
- Draw given angles and measure them in degrees.
- Identify angles at a point, angles at a point on a straight line, and vertically opposite angles.
- Use properties of rectangles to deduce related facts and find missing lengths and angles.

## Geometry – Position and Direction

- Describe positions on a 2D grid using coordinates in the first quadrant and the four quadrants.
- Draw and translate simple shapes on the coordinate plane and reflect them in the axes.

## Statistics

- Solve comparison, sum, and difference problems using information presented in a line graph, table, or other data representation.
- Complete, read, and interpret information in tables, including timetables.



## Age-Related Expectations (ARE) for Year 5 Writing

### Composition

- Plan writing by:
  - Identifying the audience and purpose.
  - Selecting appropriate grammar and vocabulary for effect.
  - Noting and developing initial ideas, and considering how to structure paragraphs.
- Draft and write by:
  - Using a range of sentence structures for clarity, purpose, and effect.
  - Writing for a variety of genres including narratives, biographies, persuasive texts, reports, and letters.
  - Using paragraphs to organise ideas clearly.
- Evaluate and edit by:
  - Assessing the effectiveness of their own and others' writing.
  - Proposing and making changes to vocabulary, grammar, and punctuation to improve meaning.
  - Proof-reading for spelling and punctuation errors.

### Vocabulary, Grammar, and Punctuation

- Use **expanded noun phrases**, including modification by pre- or post-modifiers.
- Use **fronted adverbials** and punctuate with a comma.
- Use **a wide range of sentence openers** to add variety.
- Use **subordination** (e.g., because, although, when, if) and **coordination** (e.g., and, but, or) accurately to extend sentences.
- Use **relative clauses** beginning with who, which, where, when, whose, that, or an omitted relative pronoun.
- Use **inverted commas and other punctuation** correctly for direct speech.
- Use **brackets, dashes, or commas** to indicate parenthesis.
- Use **apostrophes for possession and contractions** correctly.
- Use **punctuation consistently and accurately**, including capital letters, full stops, question marks, and exclamation marks.

### Spelling

- Spell:
  - Common exception words for Year 5 (e.g., cemetery, available, definite).
  - Words with prefixes and suffixes taught so far (e.g., -ant, -ent, -able, -ible, -ably, -ibly).
  - Words with silent letters or unusual spellings (e.g., rhyme, rhyme, island).
- Use dictionaries to check the spelling and meaning of words.
- Use spelling rules and patterns consistently.

### Handwriting

- Maintain **legible, fluent, and joined handwriting** in all writing.
- Use **consistent size, proportion, and spacing** for letters.
- Write at a **reasonable speed** while keeping letters clear and correctly formed.



## **Age-Related Expectations (ARE) for Year 5 Reading**

### **Word Reading**

- Read aloud and understand words using knowledge of root words, prefixes (e.g., re-, de-, mis-) and suffixes (e.g., -able, -ment).
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### **Comprehension**

- Increase familiarity with a wide range of books including myths, legends, modern fiction and classic literature.
- Recommend books with reasons.
- Identify and discuss themes and conventions.
- Make comparisons within and across books.
- Summarise main ideas and support with evidence.
- Understand figurative language.
- Distinguish fact and opinion.
- Retrieve, record and present information.
- Make reasoned inferences and predictions.