

# Parents' Guide

## 'Must do' by the end of Year 6

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### Number

- ✓ Read, write and order numbers to 10,000,000
- ✓ Round any number to any degree of accuracy
- ✓ Add and subtract negative numbers
- ✓ Multiply a 4-digit number by a 2-digit number
- ✓ Divide a 4-digit number by a 2-digit number, expressing remainder as a fraction, decimal fraction or by rounding to whole numbers
- ✓ Mental Agility: Calculations involving large numbers
- ✓ Mental Agility: Calculations involving two operations
- ✓ Use estimation to check answers
- ✓ Carry out problem solving calculations involving all 4 operations
- ✓ Add and subtract mixed numbers with fractions of different denominations

### Number

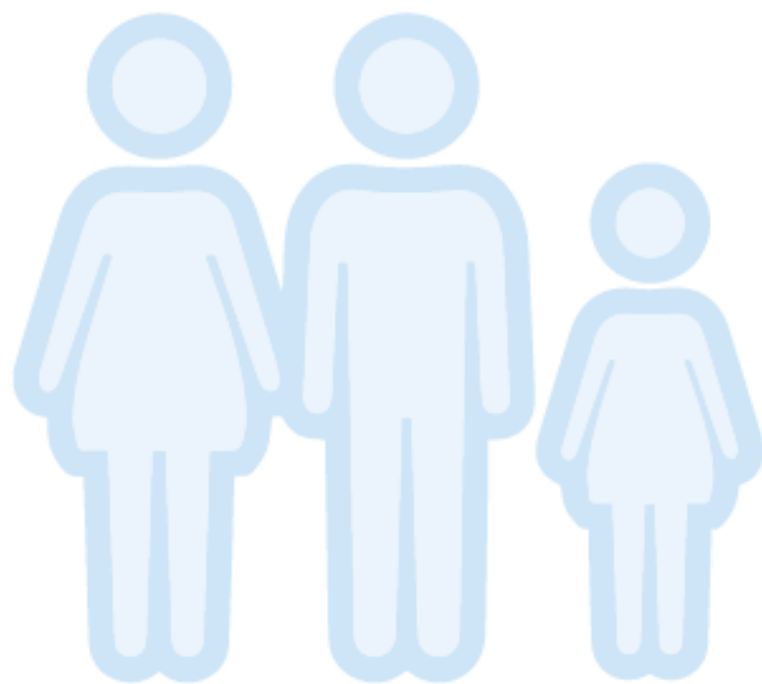
- ✓ Fractions: Multiply simple fractions, writing answers in their simplest forms
- ✓ Divide proper fractions by whole numbers
- ✓ Identify value of each digit in a 3 decimal place number
- ✓ Multiply decimal fraction with 3 decimal places by 10, 100 and 1000
- ✓ Multiply and divide a number with 2 decimal places by 1-digit and 2-digit numbers
- ✓ Percentages: Use percentages for comparisons
- ✓ Calculate percentage of whole numbers
- ✓ Recall and use equivalences between fractions, decimal fractions and percentages
- ✓ Ratio: Use ratio to show relative sizes of 2 quantities
- ✓ Algebra: Solve linear missing numbers
- ✓ Continue a linear number sequence involving positive and negative numbers



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### Shape and measures

- ✓ Compare and classify geometrical shapes based on properties and size
- ✓ Find unknown angles in a triangle, quadrilateral and regular polygon  
Illustrate and name parts of a circle, including radius, diameter and circumference
- ✓ Recognise, describe and build 3D shapes
- ✓ Create a cuboid from a net
- ✓ Describe properties of 3D shapes and identify parallel planes and symmetry
- ✓ Estimate size of angles
- ✓ Describe position on the full coordinate grid
- ✓ Draw, translate and reflect shapes
- ✓ Read, write and convert between standard units
- ✓ Calculate area of parallelograms and triangles
- ✓ Data: Draw, read and interpret graphs
- ✓ Use and interpret mean as an average