

# Year 6

## MATHS

# Checklist



Tutoring by Teachers

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[www.tutoringbyteachersuk.com](http://www.tutoringbyteachersuk.com)

Dear parent, teacher or tutor!

I'm so excited to share these carefully designed checklists with you!

As a teacher, I know first-hand how overwhelming it can be to keep track of everything when it comes to supporting a child's learning journey.

Each checklist is designed to:

- ✓ Provide clear steps to help guide your child's learning at home and in school.
- ✓ Support organisation, planning, and confidence-building in key areas of education.
- ✓ Offer expert-backed strategies to make learning engaging, stress-free, and effective.

Whether you're looking for ways to boost reading comprehension, build confidence, prepare for transitions, or establish strong study habits, these checklists will give you practical tools to help your child thrive.

### ★ How to Use These Checklists:

- Print and display them in a visible spot at home, have them in the car for quick quizzes or in the classroom.
- Tick off progress as your child works through each step.
- Use them as conversation starters with teachers or tutors to align on goals.

I truly believe that small, consistent steps lead to big success in learning.

I hope these checklists empower you to support your child's growth with clarity and confidence!

💬 I'd love to hear your feedback! If you find these checklists helpful, let me know how they're working for you—or suggest ideas for future ones!

Let's make learning simpler, more structured, and more enjoyable for every child! 🎉

Best wishes,

Sophie Wong

Tutoring by Teachers UK

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# Year 5

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## Number

Number	
I can read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.	
I can round any whole number to a required degree of accuracy.	
I can use negative numbers in context, and calculate intervals across zero.	
I can solve number and practical problems that involve all of the above	

## Addition and Subtraction

Addition and Subtraction	
I can multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication.	
I can divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.	
I can divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context	
I can perform mental calculations, including with mixed operations and large numbers.	
I can identify common factors, common multiples and prime numbers.	
I can use my knowledge of the order of operations to carry out calculations involving the four operations.	

I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	
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## Fractions

I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination	
I can compare and order fractions, including fractions $> 1$ .	
I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.	
I can multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ ).	
I can divide proper fractions by whole numbers	
I can associate a fraction with division and calculate decimal fraction equivalents (for example, 0.375) for a simple fraction	
I can identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places	
I can multiply one-digit numbers with up to two decimal places by whole numbers.	
I can use written division methods in cases where the answer has up to two decimal places.	
I can solve problems which require answers to be rounded to specified degrees of accuracy.	
I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	

I can solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.	
I can solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.	
know the number of minutes in an hour and the number of hours in a day	

## Ratio and Proportion

I can solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.	
I can solve problems involving the calculation of percentages (for example, of measures and such as 15% of 360) and the use of percentages for comparison.	
I can solve problems involving similar shapes where the scale factor is known or can be found.	
I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	

## Algebra

I can use simple formulae.	
I can generate and describe linear number sequences	
I can express missing number problems algebraically	
I can find pairs of numbers that satisfy an equation with two unknowns.	
I can enumerate possibilities of combinations of two variables.	

## Measurement

I can solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.	
I can use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places.	
I can convert between miles and kilometres	
I can recognise that shapes with the same areas can have different perimeters and vice versa.	
I can recognise when it is possible to use formulae for area and volume of shapes.	
I can calculate the area of parallelograms and triangles	
I can calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm <sup>3</sup> ) and cubic metres (m <sup>3</sup> ), and extending to other units (for example, mm <sup>3</sup> and km <sup>3</sup> ).	

## Geometry

I can draw 2-D shapes using given dimensions and angles	
I can recognise, describe and build simple 3-D shapes, including making nets.	
I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.	
I can illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.	
I can recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	
I can describe positions on the full coordinate grid (all four quadrants).	

# Statistics

I can interpret and construct pie charts and line graphs and use these to solve problems.

I can calculate and interpret the mean as an average.