



# Year 6 Maths Targets

Target
I can read, write, order and compare numbers up to 10,000,000 and I can explain the value of each digit.
I can round any whole number to a required degree of accuracy.
I can use negative numbers and calculate intervals between negative and positive numbers.
I can solve number and practical problems using my understanding of place value.
I can solve multi-step addition and subtraction problems. I can decide which operations and methods to use and why, when solving multi-step problems.
I can perform mental calculations, including calculations with large numbers and different operations.
I can multiply a number up to ThHTU by a TU whole number using the formal written method of long multiplication.
I can divide a number up to ThHTU by a TU whole number using the formal written method of long division. I can interpret remainders as whole number remainders, fractions or by rounding depending on the answer I need to give.
I can divide a number up to ThHTU by a TU number using the formal written method of short division. I can interpret remainders depending on the answer I need to give.
I can identify common factors, common multiples and prime numbers.
I can +, -, x, and ÷ in the right order when solving problems involving all four operations.
I can solve problems involving addition, subtraction, multiplication and division.
I can use estimation to check answers and to give an answer to an appropriate degree of accuracy.
I can use common factors to simplify fractions. I can use common multiples to write 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 what I know about equivalent fractions to help me.
I can multiply simple pairs of proper fractions, writing the answer in its simplest form.
I can divide proper fractions by whole numbers.
I can link a fraction with division and match a fraction to its decimal equivalent.
I can identify the value of each digit in numbers given to three decimal places. I can multiply and divide numbers by 10, 100 and 1,000 giving answers in up to three decimal places.
I can multiply one-digit numbers with up to two decimal places by whole numbers.
I can solve problems which require answers to be rounded to a given degree of accuracy.
I can remember which simple fractions, decimals and percentages are equivalent and can use this to help me solve problems.
I can solve ratio problems by using multiplication and division facts to find missing values.
I can solve problems which need me to calculate percentages.
I can solve problems which need me to compare percentages.
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.
I can use simple formulae.
I can make 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 work out how many possibilities there are when two variables are combined.
I can solve problems by calculating and converting units of measure, giving answers up to 3 decimal places where appropriate.
I can use, read, write and convert between standard units of measure for length, mass, volume and time and can give answers up to 3 decimal places where appropriate. For example, I can convert kilometres into metres, grams into kilograms, litres into millilitres and hours into minutes.
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 the area or volume of a shape.
I can calculate the area of parallelograms and triangles.
I can calculate the volume of cubes and cuboids using standard units such as cubic centimetres ( $\text{cm}^3$ ), cubic metres ( $\text{m}^3$ ), and other units. I can use this understanding to compare the volumes of different cubes and cuboids.
I can draw 2-D shapes when given the dimensions and angles.



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I can recognise and describe 3-D shapes and can build simple 3-D shapes, including by using nets.
I can compare and classify geometric shapes based on their properties and sizes. I can find unknown angles in any triangle, quadrilateral or regular polygon.
I can recognise and name the parts of a circle, including the radius, diameter and circumference. I know the length of the diameter is twice that of the radius.
I can recognise where angles meet at a point, where they are on a straight line and where they are vertically opposite. I can use this understanding to give unknown angles in degrees (°).
I can give a position as a coordinate using all four quadrants.
I can draw simple shapes using co-ordinates and can reflect them in the axes or translate them.
I can solve problems by drawing and interpreting pie charts and line graphs.
I can calculate and interpret the mean average.