

Stage 6, Children's I can... statements.

Stage 6 (Year 6)	
Number and place value	
I can read and write numbers up to 10 000 000	
I can order and compare numbers up to 10 000 000	
I understand the value of each digit of numbers to 10 000 000	
I can understand the value of each digit to three decimal places.	
I can round any whole number to a required degree of accuracy	
I can round decimal numbers up to 2 decimal places to the nearest tenth, hundredth or whole number.	
I can round decimal numbers up to 3 decimal places to the nearest tenth, hundredth, thousandth or whole number.	
I can use negative numbers in context	
I can calculate the difference between positive and negative numbers.	
Addition and subtraction	
I can perform mental calculations with numbers up to 100, 000	
I can perform mental calculations involving more than one operation using numbers up to 100, 000	
I can identify common factors and common multiples.	
I can identify prime numbers.	
I know and understand how to use BODMAS.	
I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	
I can solve word problems involving addition, subtraction, multiplication and division.	
I can use estimation to check answers and to determine levels of accuracy.	
Multiplication and division	
I can use the written method of multiplication to multiply up to Th H T U by T U.	
I can use the written method of division to divide up to Th H T U by T U.	
I can interpret remainders as whole number remainders, fractions, decimals or by rounding up or down, as appropriate for the context.	
Fractions (including decimals and percentages)	
I can use common factors to simplify fractions	
I can use common multiples to express fractions in the same denomination	
I can compare and order fractions <1 and mixed numbers.	
I can add and subtract fractions with different denominators.	
I can add and subtract mixed numbers.	

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I can multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$).	
I can divide proper fractions by whole numbers (e.g. $\frac{1}{3} \div 2 = \frac{1}{6}$.)	
I can change a fraction to a decimal number using division. (e.g. $\frac{3}{8} = 0.375$)	
I can multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places.	
I can multiply U.tenths hundredths by whole numbers	
I can use written division methods in cases where the answer has up to two decimal places.	
I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	
<u>Ratio and proportion</u>	
I can solve ration problems where there are missing values using multiplication and division facts	
I can solve problems involving the calculation of percentages of whole numbers.	
I can scale similar shapes up or down where the scale factor is known.	
I can scale similar shapes up or down where the scale factor can be found.	
I can solve word problems linked to ratio and proportion.	
<u>Algebra</u>	
I can express missing number problems algebraically e.g. $6+a = 10$ What is a?	
I can express a word problem using algebraic equations.	
I can find the nth term in a number sequence.	
I can list all possibilities of combinations of two variables.	
I can find pairs of numbers that satisfy number sentences involving two unknowns where additional information is given e.g. $5+a+b=10$ where b is 2 more than a	
<u>Measurement</u>	
I can solve problems involving the conversion of units of measure where I need to multiply by 10, 100 or 1000.	
I can convert between units of measure; length, mass, volume and time and record using decimal notation up to 3 decimal places.	
I can convert between miles and kilometres	
I know that shapes with the same areas can have different perimeters and vice versa	
I know when it is possible to use formulae for area shapes	
I know when it is possible to use formulae for volume of shapes	
I can calculate the area of parallelograms and triangles	
I can estimate, calculate and compare the volume of cubes and cuboids using centimetre cubed (cm^3) and cubic metres (m^3).	
I can estimate, calculate and compare the volume of cubes and cuboids using millimetre cubed (mm^3) and cubic kilometres (km^3).	

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<u>Geometry</u>	
I can draw 2-D shapes using given dimensions and angles.	
I can name and describe the properties of 3-D shapes.	
I can build simple 3-D shapes, including making nets.	
I compare and classify geometric shapes based on their properties and sizes.	
I can find unknown angles in any triangles.	
<u>I can find unknown angles in any quadrilaterals.</u>	
<u>I can find unknown angles in any regular polygons.</u>	
<u>I can name parts of circles, including</u> <ul style="list-style-type: none">- <u>radius</u>- <u>diameter</u>- <u>circumference</u>	
<u>I understand that the diameter is twice the radius of a circle.</u>	
I can find missing angles where they meet at a point on a straight line.	
I can find missing angles where they are vertically opposite.	
I can find missing angles where they meet at a point in a circle.	
<u>Position and direction</u>	
I can read and plot positions on the full coordinate grid (all four quadrants)	
I can draw and translate simple shapes on the coordinate plane.	
I can reflect simple shapes across axis.	
<u>Statistics</u>	
I can interpret pie charts.	
I can interpret line graphs.	
<u>I can construct pie charts and use these to solve problems</u>	
I can construct line graphs and use these to solve problems	
I can calculate and interpret the mean as an average.	