

Stage 5, Children's I can... statements.

Stage 5 (Year 5)	
<u>Number and place value</u>	
I can count forwards or backwards in steps of 10, 20, 50 or 100 starting from a 3 digit number up to 1,000,000.	
I can count forwards or backwards in steps of 10, 20, 50 or 100 starting from a 4 digit number up to 1,000,000.	
I can count forwards or backwards in steps of 10, 20, 50 or 100 starting from a 5 digit number up to 1,000,000.	
I can count forwards or backwards in steps of 10, 20, 50 or 100 starting from a 6 digit number up to 1,000,000.	
I can count forwards and backwards with positive and negative numbers through zero.	
I can read and write numbers to at least 1,000,000 and determine the value of each digit.	
I can order and compare numbers to at least 1,000,000 and determine the value of each digit.	
I can solve problems involving negative and positive numbers.	
I can solve problems involving rounding numbers to the nearest 10, 100, 1000, 10 000, and 100 000.	
I can read Roman numerals to 1000 and recognise years written in Roman numerals.	
<u>Addition and subtraction</u>	
I can add whole numbers with more than 4 digits, using column addition.	
I can subtract whole numbers with more than 4 digits, using column subtraction.	
I can round and estimate in order to check the answers to calculations are accurate.	
I can add and subtract numbers mentally with increasingly large numbers.	
I can solve addition multi step problems, deciding which operation and method is needed and why.	
I can solve subtraction multi step problems, deciding which operation and method is needed and why.	
I can use the inverse operation to check my answers.	
<u>Multiplication and division</u>	
I can identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers.	
I can solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors.	
I know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.	
I can establish whether a number up to 100 is prime.	
I can recall prime numbers up to 19.	

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I can multiply numbers up to 4 digits by a one-digit number using a formal written method.	
I can use long multiplication when multiplying a 4-digit number by a two-digit number .	
I can multiply and divide numbers mentally drawing upon known facts	
I can divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.	
I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.	
I recognise and use square numbers and cube numbers , and the notation for squared (²) and cubed (³)	
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.	
Fractions (including decimals and percentages)	
I can compare and order fractions whose denominators are all multiples of the same number.	
I can identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.	
I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number (e.g. $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$)	
I can add and subtract fractions with the same denominator.	
I can add and subtract fractions where the denominators are multiples of the same number.	
I can multiply proper fractions by whole numbers, supported by materials and diagrams.	
I can multiply mixed numbers by whole numbers, supported by materials and diagrams.	
I can read and write decimal numbers as fractions (e.g. $0.71 = 71/100$).	
I recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.	
I can round decimals with two decimal places to the nearest whole number.	
I can round decimals with two decimal places to one decimal place.	
I can read, write, order and compare numbers with up to three decimal places.	
I can solve problems involving number up to three decimal places.	
I recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred"	

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I can write percentages as a fraction with denominator hundred, and as a decimal fraction.	
I can solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those with a denominator of a multiple of 10 or 25	
Measurement	
I can convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	
I understand and use equivalences between metric units and common imperial units such as inches, pounds and pints.	
I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.	
I can calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm^2) and square metres (m^2).	
I can estimate the area of irregular shapes.	
<u>I can estimate volume (e.g. using 1 cm blocks to build cubes and cuboids) and capacity (e.g. using water).</u>	
I can solve problems involving converting between units of time.	
I can use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling.	
Geometry	
I can identify 3-D shapes, including cubes and other cuboids, from 2-D representations.	
I know angles are measured in degrees.	
I can estimate and compare acute, obtuse and reflex angles.	
I can draw given angles.	
I can measure angles in degrees ($^{\circ}$)	
I can identify: <ul style="list-style-type: none"> - angles at a point and one whole turn (total 360°) - angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°) - other multiples of 90° 	
I can use the properties of rectangles to deduce related facts and find missing lengths and angles	
I can distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	

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<p style="text-align: center;"><u>Position and direction</u></p> <p>I can identify, describe and represent the position of a shape following a <u>reflection</u>, using the appropriate language, and know that the shape has not changed.</p>	
<p>I can identify, describe and represent the position of a shape following a <u>translation</u>, using the appropriate language, and know that the shape has not changed.</p>	
<p style="text-align: center;"><u>Statistics</u></p> <p>I can solve comparison, sum and difference problems using information presented in a line graph.</p>	
<p>I can complete, read and interpret information in tables, including timetables.</p>	