Year 5 Age-Related Expectations

Number and Place Value			
✓ **I can read, write, order and compare numbers to at least 1,000,000 and say the value of each digit.**			
✓ **I can use negative numbers in context when looking at temperature or money, counting forwards and backwards through 0.**			
✓ I can keep multiplying a number by 10 or 100 up to 1,000, 000 and count back.			
✓ I can round any number up to 1,000, 000 to the nearest 10, 100, 1,000, 10,000 or 100,000.			
✓ I can solve number and practical problems that involve ordering and comparing numbers up to 1, 000, 000, counting forwards and backwards in steps, negative numbers and rounding.			
✓ I can read Roman numerals up to 1000 and recognise years written in them.			
Addition and Subtraction			
✓ **I can add whole numbers with more than 4 digits using formal columnar addition.**			
✓ **I can subtract whole numbers with more than 4 digits using formal columnar addition.**			
✓ **I can add numbers mentally with increasingly large numbers e.g. 2 and 3 digit numbers.**			
✓ **I can subtract numbers mentally with increasingly large numbers e.g. 2 and 3 digit numbers.**			
✓ **I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.**			
✓ I can use rounding to check answers to calculations and determine levels of accuracy.			
Multiplication and Division			
✓ **I can find multiples and factors of a number and can identify factors common to 2 different numbers.**			
✓ I can use vocabulary relating to prime numbers, prime factors and composite numbers.			
✓ I can tell whether a number up to 100 is a prime number and recall prime numbers up to 19.			
✓ I can multiply numbers up to 4 digits by a one or two digit number, using a formal written method.			
✓ I can mentally multiply and divide numbers using the known facts.			
✓ I can divide numbers up to four-digits by a one-digit number using the formal written method of short division and interpret remainders.			
✓ I can multiply whole numbers and by 10, 100 and 1000.			
✓ I can identify and use square numbers and their notation.			
✓ I can identify and use cube numbers and their notation.			
✓ **I can solve problems using multiplication and division using my knowledge of factors and multiples, squares and cubes.**			
✓ 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 scaling by simple fractions and problems involving simple rates.**			
Fractions			
✓ **I can compare and order fractions whose denominators are multiples of the same number.**			
✓ I can find and name equivalent fractions of a given fraction including tenths and hundredths.			
✓ I can write equivalent fractions of a given fraction including tenths and hundredths.			

Year 5 Age-Related Expectations

Fractions continued			
✓ I can recognise mixed numbers and improper fractions and convert from one form to the other. E.g. 2/5 + 4/5 = 6/5 = 1 1/5.			
✓ I can add and subtract fractions whose denominators are all multiples of the same number.			
✓ I can multiply fractions by whole numbers using objects and pictures.			
✓ **I can read and write decimal numbers as fractions such as 0.71 = 71/100.**			
✓ I can identify and use thousandths and can explain how they relate to tenths and hundredths and their decimal equivalents.			
✓ I can round numbers with two decimal places.			
✓ **I can read, write, order and compare numbers with up to three decimal places.**			
✓ I can solve problems involving numbers with up to three decimal places.			
✓ **I can solve problems which require knowing percentage and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 and 25.**			
✓ I can identify the percent (%) and how it relates to parts per hundred, hundredths and decimals.			
Geometry – Properties of Shapes			
✓ I can identify 3D shapes, including cubes and cuboids, from 2D representations.			
✓ I can estimate and compare acute, obtuse and reflex angles. I know that angles are measured in degrees.			
✓ **I can draw given angles and measure them in degrees (°).**			
✓ I can identify angles at a point and one whole turn.			
✓ I can identify angles at a point on a straight line and ½ a turn (total 180°).			
✓ I can identify other multiples of 90°.			
✓ I can use the properties of rectangles to find related facts, missing lengths and missing angles.			
✓ **I can tell the difference between regular and irregular polygons. I can do this using reasoning about sides and angles.**			
Geometry – Position and Direction			
✓ I can identify, describe and represent the position of a shape following a reflection or translation. I can use mathematical vocabulary to explain that this and know that the shape has not changed.			
Measurement			
✓ **I can convert between different units of metric measure (e.g. km and m; cm and m; cm and mm; g and kg; l and ml).**			
✓ I can understand and compare equivalences between metric units and common imperial units. E.g. inches, pounds and pints.			
✓ **I can measure and calculate the perimeter of composite rectilinear shapes in cm and m.**			
✓ **I can calculate and compare the area of squares and rectangles including using standard units cm2 and m2 and estimate the area of irregular shapes.**			
✓ I can estimate volume by using 1cm³ blocks to build cuboids (including cubes) and capacity by using water and different containers.			
✓ I can solve problems where I need to convert between units of time.			
✓ I can use all 4 operations to solve problems involving measure such as length, mass, volume, money, using decimal notation, including scaling.			
Statistics			
✓ **I can complete, read and interpret information in tables, including time tables.**			
✓ I can solve comparison, sum and difference problems using information presented in a line graph.			