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Year 5 Maths Assessment

Number - Number & Place Value

Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit	Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000	Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers	Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000	Solve number problems and practical problems that involve ordering and comparing numbers to 1 000 000 counting forwards or backwards
Read roman numerals to 1000 and recognise years written in Roman numerals				

Number - Addition and Subtraction

Add and subtract numbers with more than 4 digits using the formal written methods of columnar addition and subtraction	Add and subtract numbers mentally with increasingly large numbers	Use rounding to check answers to calculations and determine levels of accuracy	Solve addition and subtraction multistep problems in contexts deciding which operations and methods to use and why	
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Number - Multiplication and Division

Identify multiples and factors including finding all factor pairs of a number and common factors of two numbers	Know and use the vocabulary of prime numbers, prime factors and composite (non -prime) numbers	Establish whether a number up to 100 is prime and recall prime numbers up to 19	Multiply numbers up to 4 digits by a one or two digit number using a formal written method including long x for 2 digit numbers	Multiply and divide numbers mentally drawing upon known facts
Divide numbers up to 4 digits by one digit using the formal written method of short division	Multiple and divide whole numbers and those involving decimals by 10, 100 and 1000	Recognise and use square numbers and cube numbers and the notation for squared (2) and cubed (3)	Solve problems involving \times and \div including using their knowledge of factors and multiples, squares and cubes	Solve problems involving all four operations
Solve problems involving \times and \div including scaling by simple fractions and problems involving simple rates				

Number - Fractions

Compare and order fractions whose denominators are all multiples of the same number	Identify name and write equivalent fractions of a given fraction	Recognise mixed numbers and improper fractions and convert from one form to another	Add and subtract fractions with the same denominator and denominators that are multiples of the same number	Multiply proper fractions and mixed numbers by whole numbers
Read and write decimal numbers as fractions	Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	Round decimals with two decimal places to nearest whole number and to one decimal place	Read write order and compare numbers with up to 3 decimal places	Solve problems involving number up to 3 decimal places
Recognise the per cent symbol (%) and understand that per cent relates to number of parts per 100	Write percentages as a fraction with denominator 100 and as a decimal	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 fractions with a denominator of a multiple of 10 or 25		

Measurement

Convert between different units of metric measure	Understand and use approx. equivalences between metric units and common imperial units	Measure and calculate the perimeter of composite rectilinear shapes in cm and m	Calculate and compare the area of rectangles and use standard units - square cm and square m - estimate the area of irregular shapes	Estimate volume eg using 1cm cubed blocks to build cuboids and capacity
Solve problems involving converting between units of time	Use all four operations to solve problems involving measure			

Geometry - Properties of Shape

Identify 3d shapes, including cubes and other cuboids from 2D representations	Know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles	Draw given angles and measure them in degrees	Identify angles at a point and one whole turn	Identify angles at a point on a straight line and $\frac{1}{2}$ a turn
Identify other multiples of 90 degrees	Use the properties of rectangles to deduce related facts and find missing lengths and angles	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles		

Geometry - Position and Direction

Identify, describe and represent the position of a shape following a reflection or translation using the appropriate language				
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Statistics

Solve comparison, sum and difference problems using information presented in a line graph	Complete, read and interpret info in tables, including timetables			
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5b = Year 5 beginning

5b+ = Year 5 beginning +

5w = Year 5 working within

5w+ = Year 5 working within +

5s = Year 5 secure

5s+ = Year 5 secure +

	5b	5b+	5w	5w+	5s	5s+
Autumn						
Spring						
Summer						