

Name: _____



The pupil can:	
Number and Place Value	
Working Towards the Expected Standard	
Read, write, order and compare numbers to at least 100,000 and determine the value of each digit	
Count forwards or backwards in steps of 10, 100 and 1000 for any given number up to 10,000	
Count forwards and backwards with positive and negative whole numbers, including through zero	
Round any number up to 100,000 to the nearest 10, 100, 1000 and 10,000	
Solve number problems and practical problems that involve all of the above	
Read Roman numerals to 1000 (M)	
Working at the Expected Standard	
Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit	
Count forwards and 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, including through zero	
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 all of the above	
Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	
Working at Greater Depth (+all of Working at the Expected Standard)	
Interpret negative numbers in context, count forwards and backwards in different steps with positive and negative whole numbers, including through zero	
Count forwards and backwards in steps of multiples of powers of 10 for any given number up to 1,000,000	
Solve number problems and practical problems that involve all of the above	

The pupil can:	
Addition and Subtraction	
Working Towards the Expected Standard	
Add and subtract whole numbers with more than 3 digits, including using formal written methods	
Add and subtract numbers up to 3 digits mentally	
Use rounding to check answers to calculations	
Solve addition and subtraction multi-step problems in contexts	
Working at the Expected Standard	
Add and subtract whole numbers with more than 4 digits, including using formal written methods	
Add and subtract numbers mentally with increasingly large numbers	
Use rounding to check answers to calculations and determine, in context, the level of accuracy	
Working at Greater Depth (+all of Working at the Expected Standard)	
Use these skills and concepts to solve problems in a variety of contexts	

The pupil can:	
Multiplication and Division	
Working Towards the Expected Standard	
Identify multiples of a given number	
Find all factor pairs of numbers less than 20	
Find common factors of two numbers less than 20	
Know and use vocabulary of prime numbers	
Recall prime numbers up to 19	
Multiply numbers up to 3 digits by a one-digit number using a formal written method	
Multiply and divide mentally drawing upon known facts	
Divide numbers up to 3 digits by a one-digit number using short division	
Interpret remainders appropriately for the context	
Multiply and divide whole numbers and decimals by 10 and 100	
Recognise and use square numbers up to 100 and use correct notation for squared	
Solve problems involving multiplication and division using knowledge of factors, multiples and squares	
Solve problems involving all four operations and any combination of these	
Working at the Expected Standard	
Find all factor pairs of any given number	
Find common factors of 2 given numbers	
Know and use the vocabulary of prime and composite numbers	
Establish whether a number up to 100 is prime	
Multiply numbers up to 4 digits by a one-digit number using a formal written method	
Multiply numbers up to 4 digits by a two-digit number using long multiplication	
Divide numbers up to 4 digits by a one-digit number using short division	
Multiply and divide whole numbers and decimals by 10, 100 and 1000	
Recognise and use square and cube numbers and use correct notation for squared and cubed	
Solve problems involving multiplication and division using knowledge of factors, multiples, squares and cubes	
Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	
Working at Greater Depth (+all of Working at the Expected Standard)	
Use these skills and concepts to solve problems in a variety of contexts.	

The pupil can:	
Fractions, Decimals and Percentages	
Working Towards the Expected Standard	
Compare and order fractions whose denominators are all multiples of the same number	
Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	
Recognise mixed numbers and improper fractions (smaller than 2) and convert from one form to the other	
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 (using appropriate resources)	
Read and write decimal numbers as fractions	
Recognise and use hundredths and relate them to tenths and decimal equivalents	
Round decimals with two decimal places to the nearest whole number	
Read, write, order and compare numbers with up to two decimal places	
Recognise the per cent symbol and understand it relates to parts per hundred	
Solve problems which require knowing percentage and decimal equivalents of halves, quarters, fifths and fractions with denominators of 10 or 25	
Working at the Expected Standard	
Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements greater than 1 as a mixed number	
Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	
Round decimals with two decimal places to the nearest whole number and to one decimal place	
Read, write order and compare numbers with up to three decimal places	
Solve problems involving numbers with up to three decimal places	
Write percentages as a fraction with denominator 100 and as a decimal	
Working at Greater Depth (+all of Working at the Expected Standard)	
Use these skills and concepts to solve problems in a variety of contexts.	

The pupil can:	
Measurements	
Working Towards the Expected Standard	
Convert between different units of metric measure	
Measure and calculate the perimeter of rectangles in centimetres and metres	
Calculate and compare the area of rectangles	
Estimate the area of irregular shapes	
Estimate capacity	
Solve problems involving converting between units of time using simple units	
Use all four operations to solve problems involving measures	
Working at the Expected Standard	
Understand and use approximate equivalences between metric units and common imperial units	
Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	
Estimate volume and capacity	
Solve problems involving converting between units of time	
Use all four operations to solve problems involving measures using decimal notation and including scaling	
Working at Greater Depth (+all of Working at the Expected Standard)	
Use these skills and concepts in a range of contexts to solve problems	

The pupil can:	
Geometry (Shape, Position and Direction)	
Working Towards the Expected Standard	
Identify the cubes and cuboids from 2D representations	
Know angles are measure in degrees	
Estimate and compare acute and obtuse angles	
Draw given angles up to 90° and measure them in degrees	
Identify angles at a point on a straight line and other multiples of 90	
Use properties of rectangles to deduce related facts and missing lengths	
Distinguish between regular and irregular pentagons and hexagons using reasoning about equal sides and angles	
Working at the Expected Standard	
Identify 3D shapes from 2D representations	
Estimate and compare acute, obtuse and reflex angles	
Identify angles at a point and one whole turn ; at a point on a straight line and other multiples of 90	
Use properties of rectangles to deduce related facts, missing lengths and missing angles	
Distinguish between regular and irregular polygons based on reasoning about equal sides and angles	
Working at Greater Depth (+all of Working at the Expected Standard)	
Identify 3D shapes from 2D representations and from nets	
Estimate accurately and compare acute, obtuse and reflex angles	
Distinguish between regular and irregular polygons based on reasoning about equal sides and angles, knowing some of the properties of regular polygons	

The pupil can:	
Statistics	
Working Towards the Expected Standard	
Solve simple comparison, sum and difference problems using information presented in a simple line graph	
Read and interpret information in simple tables, including timetables	
Working at the Expected Standard	
Solve comparison, sum and difference problems using information presented in a simple line graph	
Read and interpret information in tables, including timetables	
Working at Greater Depth (+all of Working at the Expected Standard)	
Use these skills and concepts in a range of contexts to solve problems	