

YEAR 5 MATHS LEARNING LADDER	DATE	DATE	DATE
NUMBER – PLACE VALUE			
I can count forwards and backwards with negative and positive whole numbers, including through zero.			
I can order and compare numbers up to 1 million.			
I can recognise what number is represented in Roman numerals			
NUMBER – CALCULATION			
I can add and subtract 4-digit numbers using a column method.			
I can add and subtract large numbers in my head.			
I can check answers by rounding and know whether to round an answer			
I can use long multiplication to multiply 4-digit numbers by 1 or 2-digit numbers.			
I can use short division to divide 4-digit numbers by a 1-digit number and I know what to do about the remainder.			
I can use what I know about factors, multiples, squares and cubes to solve problems.			
I can understand what prime numbers and factors are and that composite numbers are not prime.			
I can multiply and divide any number by ten, 100 or 1,000 mentally.			
I can solve problems that may need any of addition, subtraction, multiplication and division.			
NUMBER – FRACTIONS, DECIMALS AND PERCENTAGES			
I can say which is bigger out of two fractions when the denominators are multiples of the same number.			
I can find equivalent fractions and draw a diagram to show them.			
I can convert between mixed numbers and improper fractions.			
I can add and subtract fractions whose denominators are multiples of the same number.			
I can multiply fractions by whole numbers using materials and diagrams.			
I can read and write decimals as fractions.			
I can say which is bigger out of two numbers written to three decimal places.			
I can solve problems about rates and fractions.			
I can use what I know about decimals and percentages that are worth the same to solve problems.			
I can show that I know the percentage and decimals versions of simple fractions.			

MEASUREMENT			
I can convert between different units of measurement.			
I can calculate the perimeter and area of composite rectilinear shapes.			
I can estimate and compare different measurements, including volume.			
I can confidently write and tell different times.			
I can use all four operations to solve problems involving measurements, including using decimals, scaling and converting between units.			
GEOMETRY			
I can identify 3-D shapes, including cubes and other cuboids, from 2-D representations.			
I can estimate, identify and compare acute, obtuse and reflex angles.			
I can tell the difference between regular and irregular polygons by using what I know about their sides and angles.			
I can identify, describe and represent the position of a shape following a reflection or translation, using the correct language, and know that the shape itself has not changed.			
STATISTICS			
I can use a line graph to compare items of data.			
I can use tables and timetables.			