Year Group	**Maths Non-Negotiables**						
EYFS	**Number**			**Numerical Patterns**			
	Have a deeper understanding of numbers to 10, including composition of each number Subitise (recognise quantities without counting) up to 5 Automatically recall number bonds up to 5 and some number bonds to 10 Double facts of numbers to 10.			Verbally count beyond 20, recognise the pattern of the counting system Compare quantities up to 10 in different contexts- recognise when one quantity is greater than, less than or the same as the other quantity Explore and represent patterns within numbers up to 10 including evens and odds, double facts and how quantities can be distributed equally.			
	Place Value	**Tables and Multiples**	**Bonds and Facts**	**Calculations (+ and -)**	**Calculations (x and ÷)**	**Fractions and percentages**	**Time**
1	Count to and across 100, forwards and backwards from any numbers Read and write numbers to 20 in digits and words Read and write number to 100 in digits Say 1 more/ 1 less to 100	Count in multiples of 1,2,5,10	Recall number bonds and related subtraction facts for all numbers to 10 and use bonds and subtraction facts to 20 Recall addition doubles for all numbers to at least 10, e.g. 8 + 8 and corresponding halves Know odd and even numbers to 20	Add and subtract:1 and 2-digit numbers to 20 including 0 Add any 3 1-digit numbers with a total up to 20	Solve simple multiplication and division with apparatus and arrays	Recognise half and quarter of an object, shape or quantity	Sequence events in order Use language of day, week, month and year Tell time to hour and half past
2	Compare and order numbers up to 100 Read and write all numbers up to 100 in digits and words Say 10 more/ less than any number up to 100 Recognise place value of any 2-digit number	Count in multiples of 2, 3, 5 and 10 from any number up to 100. Recall and use multiplication and division facts for 2, 5, and 10 times tables	Recall and use addition and subtraction facts to 20 Derive and use related facts to 100 Recall addition and subtraction facts for all numbers up to at least 10, e.g. 3 + 4, 8 – 5 Recognise pairs of multiples of 10 with totals up to 100, e.g. 30 + 70, or 60 + □ = 100 Know what must be added to any two-digit number to make the next multiple of 10, e.g. 52 + □ = 60 Know addition doubles for all numbers to 20, e.g. 17 + 17 and multiples of 10 to 50, e.g. 40 + 40 Recognise odd and even numbers	Add and subtract: 2-digit numbers and ones, 2-digit numbers and tens, two-digit numbers, three 1-digit numbers Recognise and use the inverse	Calculate and write multiplication and division calculations using multiplication tables Recognise and use inverse	Recognise, find, name and write 1/2, 1/4, 2/4 and 3/4 Recognise equivalence of simple fractions	Tell time to 5 minutes, including quarter past/to
3	Compare and order numbers up to 1000 Read and write all numbers up to 1000 in digits and words. Find 10 or 100 more/ less than a given number Recognise place value of any 3-digit number	Count from zero in multiples of 4,8, 50 and 100 Recall and use multiplication and division facts for 3, 4, and 8 times tables.	Recall addition and subtraction facts for 100 (multiples of 5 and 10) Derive and use addition and subtraction facts for multiples of 100 that total 1000 Addition and subtraction facts for all numbers to 20, e.g. 9 + 8, 17 – 9, drawing on knowledge of inverse operations Sums and differences of multiples of 10, e.g. 50 + 80, 120 – 90 Pairs of two-digit numbers with a total of 100, e.g. 32 + 68 Addition doubles for multiples of 10 to 100, e.g. 90 + 90	Add and subtract: 3-digit numbers and ones, 3-digit numbers and tens, 3-digit numbers and hundreds Add and subtract: Numbers with up to 3 digits using efficient written method (column) Use inverse to check	Multiply: 2 digits by 1 digit	Count up/down in tenths Compare and order fractions with same denominator Add and subtract fractions with the same denominator Know parts of fractions that total 1	Tell the time using 12- and 24-hour clocks and using Roman numerals Tell time to the nearest minute Know the number of days in each month

	Place Value	Tables and Multiples	Bonds and Facts	Calculations (+ and -)	Calculations (x and ÷)	Fractions and Percentages	Time
4	Recognise place value of any 4-digit number Round any number to the nearest 10, 100, 1000 Round decimals with 1 decimal point to the nearest whole number Count backwards through zero to include negative numbers Compare and order numbers beyond 1000 Compare and order numbers with 2 decimal places Read Roman Numerals to 100 Find 1000 more/less from a given number	Count in multiples of 7,9, 25 and 1000 Recall and use multiplication and division facts for all tables to 12×12 Multiply by 0 and 1 Divide by 1	Recall and use addition and subtraction facts for 100 Sums and differences of pairs of multiples of 10, 100 or 1000 Derive and use addition and subtraction facts for 1 and 10 (with decimal numbers to one decimal place) Addition doubles of numbers 1 to 100, e.g. 38 + 38, and the corresponding halves What must be added to any three-digit number to make the next multiple of 100, e.g. 521 + □ = 600 Pairs of fractions that total 1	Add and subtract: Numbers with up to 4 digits using efficient written method (column) Including numbers with up to 1 decimal point	Multiply: 2-digit by 1-digit, 3-digit by 1-digit Divide: 3-digit by 1-digit Multiply a one- or two-digit number by 10 and 100 Use related facts to multiply H00 by a one-digit number	Count up/down in hundredths Write equivalent fractions Add and subtract fractions with the same denominator	Read, write and convert time between analogue and digital 12- and 24-hour clocks.
5	Round any number to 1000000 the nearest 10, 100, 1000, 10000 or 100000 Round decimals with 2 decimal point to the nearest whole number and 1 decimal point Count forwards and backward with positive and negative numbers through zero Count forwards/backwards in steps of powers of 10 for any given number up to 1000000 Compare and order numbers with 3 decimal places	Identify all multiples and factors, including finding all factor pairs Use known tables to derive other number facts	Recall prime numbers up to 19 Recall related tables facts for multiples of 10 Recall square (²) numbers up to 12 x 120 Sums and differences of decimals for 1 and 10, e.g. 6.5 + 2.7, 7.8 – 1.3 Doubles and halves of decimals, e.g. half of 5.6, double 3.4 What must be added to any four-digit number to make the next multiple of 1000, e.g. 4087 + □ = 5000 What must be added to a decimal with units and tenths to make the next whole number, e.g. 7.2 + □ = 8	Add and subtract: Numbers with more than 4 digits using an efficient written method (column), including numbers with up to 2 decimal places	Multiply: 4 digits by 1 digit/2 digit Divide: 4 digits by 1 digit Multiply and divide whole numbers and decimals by 10, 100, 1000	Count up/down in thousandths Recognise mixed numbers and fractions and convert from one to another Multiply proper fractions by whole numbers	Solve time problems using timetables and converting between different units of time
6	Compare and order numbers to 1000000 Read any whole number to a required degree of accuracy	Identify common factors, common multiples and prime numbers	Recall and use addition and subtraction facts for 1 (with decimals to two decimal places) Addition and subtraction facts for multiples of 10 to 1000 and decimal numbers with one decimal place, e.g. 650 + □ = 930, □ – 1.4 = 2.5 Know what must be added to a decimal with units, tenths and hundredths to make the next whole number, e.g. 7.26 + □ = 8		Multiply: 4 digits by 2 digits Divide: 4 digits by 2 digits Multiply and divide numbers by 10, 100, 1000 giving answers up to three decimal places	Add and subtract fractions with different denominators and mixed numbers Multiply simple pairs of proper fractions, writing the answer in simplest form Divide proper fractions by whole numbers Calculate percentage of a whole number	