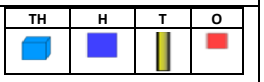
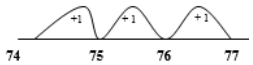
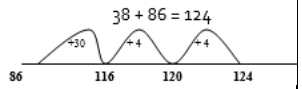
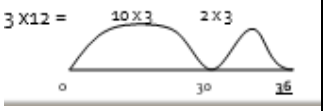
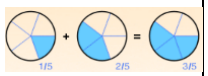
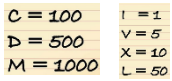
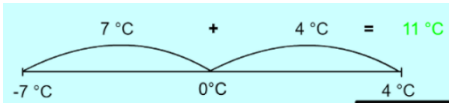
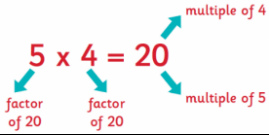
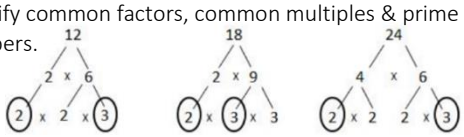
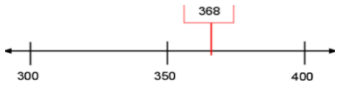
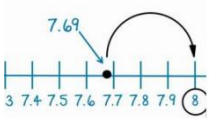
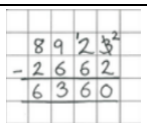
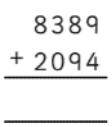
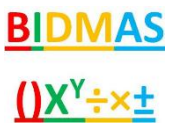
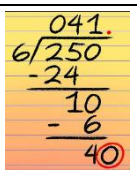
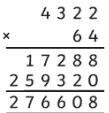
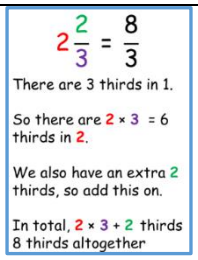
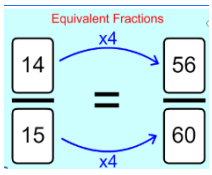
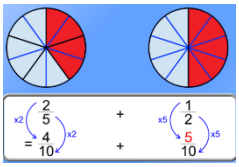
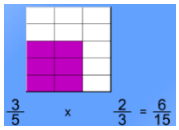
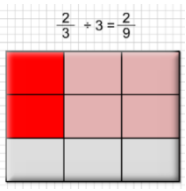
	Maths Non-Negotiables			
	Year 1	**Year 2**	**Year 3**	**Year 4**
Counting and ordering	• Count to & across 100, forwards & backwards from any number.	• Compare & order numbers up to 100 and use < > and = (greater than, less than, equal) 59 > 56 84< 99.	• Compare & order numbers up to 1,000 and use < > and = (greater than, less than, equal) 679 < 847, 999< 45.	• Compare & order numbers beyond 1,000 • Compare & order numbers with up to 2 decimal places • Read Roman numerals to 100.
Numbers (more or less)	• Read and write numbers to 100 in numerals & words • Say 1 more/1 less to 100.	• Read & write all numbers to 100 in digits & words 63 = sixty three • Say 10 more/less than any number to 100.	• Read & write all numbers to 1,000 in digits & words. 982 = nine hundred and eighty two • Find 10 or 100 more/less than a given number. 100 more than 546 = 646 10 less than 876 = 866	• Find 1,000 more/less than a given number 1000 more than 546 = 1546 1000 less than 8760 = 7760.
Tables & multiples	• Count in multiples of 1, 2, 5 & 10 e.g. 5, 10, 15, 20,25,30.	• Count in steps of 2, 3, & 5 from any number up to 100 & in 10s from any number (forward/back).	• Count from 0 in multiples of 4, 8, 50 & 100. e.g. 4,8,12,16,20…. • Recall & use multiplication & division facts for 3, 4, 8 tables 12 ÷ 4 = 3 3 x 4 = 12.	• Count in multiples of 6, 7, 9, 25 & 1000 (times tables) • Recall & use multiplication & division facts all tables to 12x12.
Facts +/- /x/÷	• Facts to 20.	• Use related facts to 100.	• Recall & use multiplication & division facts for 3, 4, 8 tables.	• Recall & use x & ÷ facts of all tables to 12x12.
Place value (PV) & rounding		• Recognise PV of any 2-digit number 26 = 2 tens and 6 ones.	• Recognise PV of any 3-digit number.	 • Recognise PV of any 4-digit number • Round any number to the nearest 10, 100 or 1000. Round decimals with • 1dp to nearest whole number. 53.6 rounded to 54.
Calculations +/-	• 1 digit & 2 digit numbers to 20, including zero 14 + 6 = 20 260– 5 = 11.	**Add & subtract:** • 2-digit nos & ones 74 – 3 • 2-digit nos & tens 86 – 20 • Two 2-digit nos 54 + 21 • Three 1-digit nos 6 + 1 + 2. 	**Add & subtract**: • 3-digit nos & ones 74 3 – 6 • 3-digit nos & tens 547 + 30 • 3-digit nos & hundreds • Numbers with up to 3-digits using written columnar method. • Use inverse to check.  453 + 638 400 + 50 + 3 600 + 30 + 8 1000 + 90 + 1 = 1091	**Add & subtract:** • Numbers with up to 4-digits using written columnar method • Numbers with up to 1 decimal place • Estimate and use inverse to check 47.7 – 31.3 = 14.4. 16.4 + 31.3 47.7 453 +638 1091 1
Calculations x/÷	• Solve one-step x & ÷ using objects, pictures and arrays 3 x 2 = 2 lots of 3 * * * * * *	• Calculate & write x & ÷ using x tables 3 x 2 = 6 6 ÷ 3 = 2 • Write & recognise & use inverse 7 + 3 10 – 3 = 7.	**Multiply:** • 2-digit by 1-digit. 	**Multiply:** • 2-digit by 1-digit 23 x 4 • 3-digit by 1-digit 342 x 6. 34 X 12 = X 30 4 10 300 40 2 60 8
Fractions & percentages	• Recognise half and quarter of object, shape or quantity.	• Recognise, find, name & write 1/3; 1/4; 2/4; 3/4 • Recognise equivalence of simple fractions.	• Count up/down in tenths • Compare & order fractions with same denominator . • +/- fractions with same denominator within one whole. 	• Count up/down in hundredths • Recognise & write equivalent fractions • +/- fractions with same denominator. 
Time	• Sequence events in chronological order • Use language of day, week, month and year • Tell time to hour & half past.	• Tell time to five minutes, including quarter past/to.	• Tell time using 12 and 24 hour clocks; and using Roman numerals • Tell time to nearest minute • Know number of days in each month and number of seconds in a minute.	• Read, write & convert time between analogue & digital 12 & 24 hour clocks. 

Maths Non Negotiables

	Year 5	Year 6
Counting & ordering	• Count forwards & backward with positive & negative numbers through zero  • Count forwards/backwards in steps of powers of 10 up to 1,000,000. Compare & order numbers with 3 decimal places 345.32> 345.31. • Read Roman numerals to 1,000. 	• Use negative numbers in context & calculate intervals across zero  • Compare & order numbers up to 10,000,000. 9,345,123> 8,345,120> 6,345,209
Tables & multiples	• Identify all multiples & factors, including finding all factor pairs. 	• Identify common factors, common multiples & prime numbers. 
Bonds & Facts	• Recall prime numbers up to 19 (1,3,5,7,11,13,17,19) • Recognise & use square & cube numbers Squared (^{2}) = 3 x 3, 4 x4, 5x5 Cubes (^{3}) = 2 x 2 (4) x 2 = 8 3 x 3 (9) x 3 = 27.	• Apply times table facts to problem solving and reasoning • Use squared and cubed numbers • Recall prime numbers to 100.
Place value (PV) & rounding	• Recognise PV of any number up to 1,000,000 • Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 or 100000   • Round decimals with 2 decimal places to nearest whole number & 1 decimal place.	• Recognise PV of any number up to 1,000,000 • Round any whole number to a required degree of accuracy • Identify value of each digit to 3 decimal places. 
Calculations +/-	**Add & subtract:** • Numbers with more than 4-digits using formal written method  • Numbers with up to 2decimal places. • Use rounding to check answers. 	• Use knowledge of order of operations to carry out calculations involving 4 operations • Use estimation to check answers. 
Calculations x/÷	**Multiply:** • 4-digits by 1-digit/ 2-digit **Divide:** • Up to 4-digits by 1-digit • Whole numbers & decimals by 10, 100 & 1000. 	**Multiply:** • 4-digit by 2-digit. **Divide:** • 4-digit by 2-digit.  
Fractions & percentages	• Recognise & use thousandths. • • Recognise mixed numbers & improper fractions & convert from one to another  • Multiply proper fractions & mixed numbers by whole numbers • Identify and write equivalent fractions. 	• Add & subtract fractions with different denominators & mixed numbers  • Multiply simple pairs of proper fractions, writing the answer in the simplest form  • Divide proper fractions by whole numbers  • Calculate % of whole number (find 1% by dividing the whole by 100 then multiply by the % amount).
Time	• Solve time problems using timetables and converting between different units of time.