	Rec	Y1	Y2	Y3	Y4	Y5	Y6
Counting & ordering	Count reliably to 20.	Count to & across 100, forwards & backwards from any number.			Count backwards through zero to include negative numbers.	Count forwards & backward with positive & negative numbers through zero.	Use negative numbers in context & calculate intervals across zero.
						Count forwards/backwards in steps of powers of 10 for any given number up to 1,000,000.	
	Order numbers 1 – 20.		Compare & order numbers up to 100 and use <> =.	Compare & order numbers up to 1,000.	Compare & order numbers beyond 1,000.	Compare & order numbers up to 1,000,000.	Compare & order numbers up to 10,000,000.
					Compare & order numbers with up to 2 decimal places.	Compare & order numbers with 3 decimal places.	
					Read Romannumerals to 100.	Read Romannumerals to 1,000.	
Numbers & more/less		Read & write numbers to 20 in numerals & words.	Read & write all numbers to 100 in digits & words.	Read & write all numbers to 1,000 in digits & words.			
		Read & write numbers to 100 in numerals.					
	Say 1 more/1 less to 20.	Say 1 more/1 less to 100	Say 10 more/less than any number to 100.	Find 10 or 100 more/less than a given number.	Find 1,000 more/less than a given number.		
Tables & multiples		Count in multiples of 1, 2,5 & 10.	Count in steps of 2, 3 & 5 from any number up to 100 and in 10s from any number	Count from 0 in multiples of 4, 8, 50 & 100.	Count in multiples of 6, 7, 9, 25 & 1000.	Identify all multiples & factors, including finding all factor pairs.	Identify common factors, common multiples & prime numbers.
			(forward/backward).  Recall & use multiplication & division facts for 2, 5 & 10 tables.	Recall & use multiplication & division facts for 3, 4, 8 tables.	Recall & use multiplication & division facts all tables to 12x12.		
Bonds & Facts		Use bonds & subtraction facts to 20.	Recall & use +/- facts to 20.			Recall prime numbers up to 19.	
1 ucis			Derive & use related facts to 100.			Recognise & use square numbers & cube numbers.	
Place value & rounding			Recognise PV of any 2-digit number.	Recognise PV of any 3-digit number.	Recognise PV of any 4-digit number.	Recognise PV of any number up to 1,000,000.	Round any whole number to a required degree of accuracy.
					Round any number to the nearest 10, 100 or 1000.	Round any number up to 1,000,000 to the nearest 10,100, 1,000, 10,000 or 100000.	
					Round decimals with 1 dp to nearest whole number.	Round decimals with 2dp to nearest whole number & 1dp.	Identify value of each digit to 3dp.
Calculations +/-	Add & subtract two single digit numbers.  Count on/back to find the answer.	Add & subfract:  o 1 digit & 2 digit numbers to 20, including zero.	Add & subtract:  o 2-digit nos & ones  o 2-digit nos & tens  o Two 2-digit nos  o Three 1-digit nos	Add & subtract:  o 3-digit nos & ones o 3-digit nos & tens o 3-digit nos & hundreds  Add & subtract: o Numbers with up to 3- digits using written columnar method.	Add & subtract:  o Numbers with up to 4- digits using written columnar method. o Numbers with up to 1dp.	Add & subtract:  o Numbers with more than 4-digits using formal writen method. o Numbers with up to 2dp.	Use knowledge of order of operations to carry out calculations involving 4 operations.
				Estimate and use inverse to check.	Estimate and use inverse to check.	Use rounding to check answers.	Use estimation to check answers.
Calculations x/÷		Solve one-step multiplication & division using objects, pictorial representations and arrays.	Calculate & write multiplication & division calculations using multiplication tables.	Multiply:  o 2-digit by 1-digit	Multiply: o 2-digit by 1-digit o 3-digit by 1-digit	Multiply: o 4-digits by 1-digit/ 2-digit	Multiply:  o 4-digit by 2-digit
			Write & recognise & use inverse.			Divide:  o Up to 4-digits by 1-digit	Divide: o 4-digit by 2-digit
						Multiply & divide:  o Whole numbers &  decimals by 10, 100 &  1000	
Fractions &		Recognise half and quarter of object, shape or quantity.	Recognise, find, name & write 1/3; 1/4; 2/4; 3/4.	Count up/down in tenths.	Count up/down in hundredths.	Recognise & use thousandths.	Add & subtract fractions with different denominators & mixed
percentages		object, andpolit quality.	Recognise equivalence of simple fractions.	Compare & order fractions with same denominator.	Recognise & write equivalent fractions	Recognise mixed numbers & improper fractions & convert from one to another.	numbers.  Multiply simple pairs of proper
				+/- fractions with same denominator within one whole.	+/- fractions with same denominator.	Multiply proper fractions & mixed numbers by whole numbers.	fractions, writing the answer in the simplest form.  Divide proper fractions by whole
						Identify and write equivalent fractions.	numbers.  Calculate % of whole number.
Time		Sequence events in chronological order.	Tell time to five minutes, including quarter past/to.	Tell time using 12 and 24 hour clocks; and using Roman numerals.	Read, write & convert time between analogue & digital 12 & 24 hour clocks.	Solve time problems using timetables and converting between different units of time.	
		Use language of day, week, month and year.		Tell time to nearest minute.			
		Tell time to hour & half past.		Know number of days in each month and number of seconds in a minute.			

**Mathematics Non-Negotiables** 

(Minimum end of year expectations)

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