FINAL	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1		The Colour Monster	My Cat Likes to Hide in Boxes	Book: We're Going on a Bear Hunt	Book: In Every House on Every Street	Book: Mr Gumpy's Outing	Book: The Three Little Pigs	
				Phase: Just Like Me	Phase: Just Like Me	Phase: Just Like Me	Phase: Just Like Me	
				EWPS: Height	EWPS: Matching	EWPS: Comparing amounts in 5's frames (language more less)	EWPS: Pattern	
Autumn 2	Diwali	Halloween Bonfire Night					Christmas	Christmas
	Book: Dipal's Diwali	Book: Pumpkin Soup	Book: What do Machines Do All Day	Book: Machine Poems	Book: No Bot the Robot with No Bottom	Book: The Christmas Story	Book: Rosie Revere, Engineer	Book:
	Phase: It's Me 1 2 3	Phase: It's Me 1 2 3	Phase: It's Me 1 2 3	Phase: Light and Dark	Phase: Light and Dark	Phase: Light and Dark	Phase: Light and Dark	Phase: Light and Dark
	EWPS: Introduce 1,2,3 Representing, counting by touching	EWPS: Comparing 1 2 3 More/ fewer/ equal/ unequal	EWPS: Composition of 1 2 3 Different ways to make 1 2 3	EWPS: Introduce 4,5 Representing, counting by touching objects	EWPS: One More	EWPS: One less	EWPS: Shapes with up to 4 sides.	EWPS: Night and day.
Spring 1	objects Book: Rosie's Hat	Book: Peepo	Book: Coming to England	Book: Smartest Giant	Book: The Gingerbread Man	Book: Stick Man	Book: The Bog Baby	
	Phase: Alive	Phase: Alive	Phase: Alive	Phase: Alive	Phase:	Phase:	Phase:	
	in 5 EWPS:	in 5 EWPS:	in 5 EWPS:	in 5 EWPS:	Growing 6 7 8 EWPS:	Growing 6 7 8 EWPS:	Growing 6 7 8 EWPS: Time	
	Comparing numbers to 5	Composition of 4 and 5	Compare mass	Compare capacity	Composition of 6 7 8	Combining 2 groups		

Spring 2	Book: The Gigantic Turnip	Book: Jack and the Beanstalk	Book: Handa's Surprise	Book: Rosie's Walk	Book: Oliver's Vegetables		
	Phase: 9 and 10	Phase: 9 and 10	Phase: To 20 and Beyond	Phase: To 20 and Beyond	Phase: First , Then, Now		
	EWPS: Comparing 9 and 10	EWPS: Number bonds to 10	EWPS: Building numbers beyond 10	EWPS: Counting numbers beyond 10	EWPS: Adding more		
Summer 1	Book: Rumble in the Jungle	Book: A First Book of Animals	Book: Little Red and the Very Hungry Lion	Book: Hello, Hello	Book: Superworm		
	Phase: First , Then, Now	Phase: Phase: First , Then, Now	Phase: Find My Pattern	Phase: Find My Pattern	Phase: Find My Pattern		
	EWPS: Taking away		EWPS: Doubling	EWPS: Halving	EWPS: Sharing and grouping		
Summer 2	Book: Lucy and Tom at the Seaside	Book: Who's Hiding at the Seaside	Book: Somebody Swallowed Stanley	Book: Pirates Love Underpants	Book: Paper Dolls		
	Phase: Growing 6 7 8	Phase: Growing 6 7 8	Phase: 9 and 10	Phase: 9 and 10	Phase: Find My Pattern		
	EWPS: Length	EWPS: Height	EWPS: 3d shape	EWPS: Pattern	EWPS: Even		

Year 1	1	2	3	4	5	6	7	8	9	10	11	1
Autumn	beginning w NPV-2 Reaso the linear nu count in count in identify pictorial read and words	t to and acro rith 0 or 1, or on about the umber syster umbers to 10 multiples of and represe I representat d write numle	oss 100, forwar from any give location of nom, including co 00 in numerals f twos, fives ar nt numbers us	en number umbers to 20 omparing us s; nd tens sing objects a numerals 20 in numer	O within ing < > and and and als and	 subtraction (-) and equations t add and subzero solve one-stonerete ob 	fluency in addit numbers to 10 ding recognising te and interpres and equals (=) s	from 2 parts, and godd and even tequations con ymbols, and relexts and two-digit nuat involve additions.	ction facts with and partition in numbers taining additional additive elements to 20, ion and subtra	umbers to 10 on (+), expressions including	Geometry: Shape 1G-1 Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another. 1G-2 Compose 2D and 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations. recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles] recognise and name common 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]	

Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Spring	NPV-1 Count forwards and with 0 or 1, count of the count of the count in and tens of the count in and tens of the count in and tens of the count of the count in and tens of the count in an area of the count in a count in an area of the count in an area of the count in a count i	mbers to 100 multiples of twand represent jects and picto stations write numbers write number merals and wonumber, identifi	noo, peginning yen number recation of inear comparing in numerals; wos, fives numbers orial res to 100 in res from 1 to reds	(within 10) 1NF-1 Devel subtraction f 1AS-2 Read, equations co subtraction (and relate ac equations to 1AS-2 Read, equations co subtraction (and relate ac equations to • add and two-digitizero • solve on involve a using correpreser	op fluency in addicts within 10 write and interpretaining addition and equals (= dditive expression real-life context write and interpretaining addition (=) and equals (= dditive expression real-life context subtract one-digit numbers to 20, e-step problems addition and subtracted objects and tations, and missiproblems such as	ret n (+),) symbols, ns and s ret n (+),) symbols, ns and s it and including that craction, nd pictorial ssing	twos, five identify represer using observation pictorial represer read and numbers numeral read and numbers 20 in numbers words given a result of the pictorial result of the	to and corwards and beginning or from any er on about the numbers to the linear em, mparing d = the linear em, multiples of the sand tens and tens	Measureme and Height Compare, de solve practic for:	escribe and rail problems and heights dispensed begin to	Measure and be record: mass/weights.	cribe and problems ght nd volume pegin to

Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Summer	involvi divisio answe objects repres	nt forwards in multiple to 10 multi with any m forwards an through the one-step pro ng multiplic n, by calcula r using conces, pictorial entations a ne support	and as of 2, 5 iples, ultiple, nd e odd oblems cation and ating the crete	two equal object, sha quantity • recognise,	find and If as one of parts of an pe or find and arter as one ial parts of	Geometry: Shape 1G-1 Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another. 1G-2 Compose 2D and 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations. describe position, direction and movement, including whole, half, quarter and three-quarter turns	100, forwards backwards, b 0 or 1, or from number NPV-2 Reason location of numbers in numer • count in numer • count in numbers and pictode represent numbers numbers numbers numbers in numbers in numbers in numbers in numbers in numbers in numer • given a numbers and given a numbers in numer	to and across s and eginning with many given about the umbers to 20 lear number ding sing <> and = lear numbers to 100 lear numbers lear numbers to 100 lear numbers learned	Measurement: Money • recognise and know the value of different denominations of coins and notes	Measurement Compare, d and solve pr problems for time Measure an record: time (h minute second:	escribe ractical or: ad begin to ours, s,	Co ns oli da tio n

Year 2	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	two-digit nu two-digit nu partitioning. 2NPV-2 Reas number in tl identifying t	ognise the place mbers, and combers using states on about the linear number steps of 2, 3, asy number, forwed write number stand in words represent and trepresentation the trepresent and	mpose and decandard and notes system, including to estimate numbers, ones) mbers from 0 mposes from	y two-digit cluding ile of 10. and in tens ward 00 in hbers using the number git in a up to 100;	2NF-1 Secure through cont 2AS-1 Add at 2AS-3 Add at addition and tens to/from 2AS-4 Add at addition and numbers add and represer a two-di a two-di two two adding t solve pro using co those int	tinued practice and subtract and subtract will subtract on a two-digit and subtract will subtract on a subtract number and git number and edigit number and editional ed	Idition and subset of the control of	oplying related subtract only of oplying related subtract any 2 crete objects, pling:	one-digit ones or only one-digit two-digit oictorial	shapes preservirents orientations, triangles, cub always simila identify a of 2-D sh of sides a vertical li identify 2 of 3-D sh on a cylir pyramid] compare shapes an recognise shapes [f (including spheres] compare	se common 2D nted in different and know that soids and pyran r to one anoth and describe the apes, including and line symmet ne 2-D shapes on teapes, [for exame ander and a trian and sort commend everyday obe and name comor example, cur g cubes), pyran	nt t rectangles, mids are not ier. e properties the number etry in a the surface inple, a circle ingle on a inon 2-D ojects immon 3-D boids inids and inon 3-D

Year 2	1	2	3	4	5	6	7	8	9	10	11	12
Spring	symbols (£) and p combine make a p value • find diffe combina coins tha same am money • solve sim problem practical involving and subt money o	nise the structure of and answer the form, more?" and subtract y applying digit subtraction d subtract git numbers e and use for pounds bence (p); amounts to particular erent tions of at equal the abounts of	2MD-1 Reco with multipl the 2, 5 and 2MD-2 Relat unknown to division equ • recall ar 10 mult number • show th order (c cannot • calculate division the multiples.	ultiplication and gnise repeated lication equation 10 multiplication equation multiplication ations (quotition duse multiplication tables at multiplication ommutative) are mathematical within the multiplication (.), doblems involvir ls, arrays, repeated to the second of the second	addition contons and calculation tables. blems where equations with the division). ation and division, including reconstitution of two numbered division of the division tablitication tablitication (÷) and ag multiplication, attendiated addition,	the number of the number of the number of the a missing facts for the cognising odd one number but multiplication and write the equals (=) sign and division mental metho	f groups is actor, and to the 2, 5 and and even the in any yanother them using them using them, using the ds, and	estimate measure length/h direction mass (kg tempera capacity to the no approprusing rul thermor measuri compare lengths, volume/and reco	nd subtract y applying digit facts: add any 2 mbers and use iate d units to e and e leight in any n (m/cm); g/g); ture (°C); (litres/ml) earest iate unit, lers, scales, meters and ng vessels e and order mass, capacity	• choose all standard measure direction temperat (litres/ml appropria scales, the measurin ocompare volume/ocompare volume/ocompare compare co	nd use appropunits to estimellength/height (m/cm); massure (°C); capadite unit, using ermometers a	riate ate and in any (kg/g); city st rulers, nd

Year 2	1	2	3	4	5	6	7	8	9	10	11	12
Summer	fraction length, quantity • Recogni and 1/2	se, find, name as 1/3,1/4,2/4ar shape, set of old set of old set of equivalent mple fractions.	nd 3/4of a bjects or ence of 2/4	time tell and w minutes, the hour clock face know the	t: Time and sequence write the time to including quare and draw the set to show these number of mithe number or	to five ter past/to hands on a e times inutes in an	charts, be diagram tables ask and simple questions of object category	et simple ms, tally block s and simple answer uestions by g the number ts in each v and sorting gories by answer as about and ng	order a combin mather objects and sec use ma vocabu describ direction movem straight distingue betwee a turn a of right quarter three-q (clockw	in patterns quences thematical lary to e position, on and eent, including eent in a t line and	Consol	idation

Year 3	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	equivalent to is 10 times the identify and there are in ormultiples of 3NPV-2 Record each digit in compose and numbers using non-standard 3NPV-3 Reas any three-dignumber system the previous and 10 3NPV-4 Divide equal parts, allines marked 2, 4, 5 and 10 count from 50 and 1 less than identify, numbers represented and 1000 in recognisis digit in a (hundred compared 1000) solve numbers resolve or	v that 10 tens o 1 hundred, a ne size of 10; a work out how other three-di 10 gnise the place three-digit nu d decompose of ng standard and d partitioning on about the git number in em, including and next multi le 100 into 2, 4 and read scale in multiples of 0 equal parts om 0 in multip 00; find 10 or n a given numb represent and s using differer	and that 100 apply this to many 10s git are value of ambers, and three-digit and apply the linear identifying tiple of 100 as number of 100 with a les of 4, 8, 100 more or per a lestimate and are up to in words a lue of each amber and and as and and apply this to a sand	10, through co 3AS-1 Calcular 3AS-2 Add and methods 3AS-3 Manipu Understand the subtraction, a Understand the add and so a three-dial a three-dial a three-dial add and so written mesolve profile.	fluency in add ontinued pract te complement d subtract up allate the addit ne inverse relained how both nd use the content of the injustract number are ignit n	dition and subtatice ints to 100 to three-digitative relationship betweelate to the permutative property for subtative res mentally, indicates and tens	numbers using ip: een addition a art-part-who operty of addit action including: three digits, using and subtraction in the subt	columnar and le structure. ion, and sing formal on , using	and a solve probler includir correspond structures.	ultiplication and Il multiplication ts, in the 10, 5, recognise prodon tables as multiplication tables as multiplication and use multiplication and divident calculate material and programmental and programmenta	n facts, and cor 2, 4 and 8 mu lucts in these ultiples of the iplication and divi- cation and divi- cation tables athematical sta- sion using the nat they know, es one-digit nu- ressing to form ing missing nu- ultiplication and ger scaling pro- ems in which n	division facts ent ive division sion facts for tements for including for umbers, hal written mber d division, blems and

Year 3	1	2	3	4	5	6	7	8	9	10	11	12
Spring	(b) 3NF-3 Apply known addit number fact 3MD-1 Appl and division problems wi including qui division • recall ar division multiplii • write an stateme division tables th for two- one-digi	place-value keeps and multiples (scaling facts by known multiples (scaling facts by known multiples to solve ith different structive and particles for the 3, cation tables and calculate materials for multiples using the multiple using the multiples that they know, digit numbers it numbers, using ressing to forms	nowledge to olicative by 10) plication contextual ructures, rtitive cation and 4 and 8 thematical ication and ciplication including times ng mental	subtract: (kg/g); vo	compare, add lengths (m/cm lume/capacity the perimeter	and n/mm); mass v (I/mI)	known addit number facts 3F-1 Interprefractions to recognis dividing parts and numbers recognis of a disc fractions with small recognis numbers non-unit denomir recognis diagrams with small compare and fraction fractions diagrams with small compare and fraction fractions diagrams with small compare and fractions denomir denomir	place-value keeping and multiples (scaling facts and write perference of the property of the p	policative s by 10) roper several rided into ation of any ear number tenths; erise from 10 equal ne-digit by 10 ite fractions ects: unit fractions ors tions as s and n small sing ractions ors it fractions, same	measure, subtract:	t: Mass and Ca , compare, add lengths (m/cm olume/capacity	and n/mm); mass

Year 3	1	2	3	4	5		6	7	8	9		10	11	12
Summer	fractions same de within o [for exar 1/7 = 6/ • solve pro	it fractions is using ion facts on tables d subtract th the same r, within 1 subtract s with the enominator ne whole mple, 5/7 +	relationship addition an subtraction both relate part–part–v structure. Understand commutativ of addition, understand property fo add and amount to give both £ 5	late ts to 100 pulate the ationship: the inverse between d , and how to the vhole and use the ve property and the related r subtraction	 tell and Ron and estimate incoming in the horizontal and estimate in the horizontal	and alloguman in 12-life treasiinute; erms urs; urs; urs cock, and the mother treasinute is mplate the mother treasinute is mplate treasinute is mplate treasinute.	nt: Time write the time e clock, include numerals from hour and 24-he e and read time ng accuracy to record and co s of seconds, n se vocabulary a.m./p.m., mo on, noon and n e number of s and the numb onth, year and e durations of e to calculate to y particular ev	ling using in I to XII, our clocks he with the nearest ompare time ininutes and is such as orning, midnight seconds in a her of days in leap year events [for the time	3-D shaped different and descriperoperty a descripe identify recognise right angular turn and complete identify vangles and than or legister ight angular identify hand verties.	se right roperty of receiption of rentify right receiption by red points, receiption of rentify right receiption by red points, receiption of rentify right receiption by red points, receiption of receiption recei	. —	bar char pictogritables solve of two-stermany ranger? inform presen scaled	arts, rams and one-step and ep questions ample, 'How more?' and nany ''] using ation ted in bar charts ctograms	Consolidatio

Year 4	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	1 thousand, 100; apply t many 100s t of 100 4NPV-2 Reco four-digit nu non-standar 4NPV-3 Rear four-digit nu including ide multiple of : nearest of e 4NPV-4 Divi parts, and re multiples of count ir count b negative identify, using di read Ro that ove include find 100 recognis four-dig and one order ar round a 1000 solve nu involve	and that 1,00 his to identify there are in or on the company of partitioning son about the control of the contr	oo is 10 times of and work of ther four-dig face value of a compose and standard and g linear number previous and o, and roundid o, 7, 9, 25 and 10 ough zero to it and estimate not sentations of the standard problems of the nearest of the standard on the nearest of the nearest of the standard of the nearest of the standard or the standard or the standard or the nearest or the standard or the standar	s the size of ut how it multiples each digit in decompose dany er system, next ng to the open and to ace value n number digit in andreds, tens, and 1000 and 1000 are that the open and to ace value n number digit in andreds, tens, and 1000 are that the open and to ace value n number digit in andreds, tens, and 1000 are that the open and the o	 add and up to 4 written addition approprious solve addition two-ste deciding 	Idition and Sults subtract num digits using the methods of contains and subtract riate didition and sults problems in growth which operates to use and versions.	nbers with e formal columnar ion where btraction contexts, tions and	Measurement: Area • measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres • find the area of rectilinear shapes by counting squares	(a) 4NF-1 Recall of facts up to 12 products in multiples of the 4NF-2 Solve of two-digit divisors, that interpret remaccording to 4NF-3 Apply of known additionaber facts 4MD-2 Manipulation equal apply the commultiplication of count in 1000 of recall multiplication facts for 12 x 12 of use place facts to more multiplication in 1000 of the facts for 12 x 12 of the facts to more f	place-value knowe and multiple (scaling facts bulate multiplications, and uncommutative promultiples of 6, and undiplication in a value, known multiply and divincluding: multiply and divincluding by 1; multiple and use facto attivity in mental	and division gnise ables as ling number ms, with e-digit nders, and priately owledge to licative by 100) cation and lerstand and perty of 7, 9, 25 and division tables up to and derived yide litiplying by 0 ultiplying sor pairs and	consoli

Year 4	1	2	3	4	5	6	7	8	9	10	11	12
Spring	4NF-1 Recall to 12 x 12 ar tables as mu 4NF-2 Solve dividends an remainders, appropriatel 4NF-3 Apply additive and facts by 100) 4NPV-1 Knov 1 thousand, 100; apply th many 100s to of 100 4MD-1 Mult and 100 (kee understand if 10 or 100 tin 4MD-3 Under property of if recall mi multiplic use place multiply multiply multiply recognis commut multiply a one-di solve pro adding, multiply integer se corresponders	nd recognise politiples of the codivision problem one-digit divance-value keeping to what 10 hundred and that 1,000 his to identify here are in other and that 1,000 his to identify here are in other and and appropriate the size extand and appropriate to whole this as equivalents the size extand and appropriate to whole this as equivalents the size extand and appropriate to whole this as equivalents the size extand and appropriate to whole this as equivalents the size extand and appropriate to whole the value, known and divide mental in the size and use fact the transport of the size and use fact the transport of the size and use fact the size and use f	rand division facts up roducts in multiplication corresponding number ems, with two-digit visors, that involve remainders the context nowledge to known enumber facts (scaling dreds are equivalent to 0 is 10 times the size of and work out how her four-digit multiples e whole numbers by 10 enumber quotients); ent to making a number oply the distributive had division facts for p to 12 x 12 hand derived facts to entally, including: cidividing by 1; here numbers or pairs and tal calculations three-digit numbers by ting formal written layouting multiplying and githe distributive law to observe the such as n objects	the side-leng and the angl Find the period regular and in polygons Convert different measure kilometry hour to estimate and calcumeasure the period rectiline (including centime metres) find the rectiline	regular cluding riangles and chose in which gths are equal es are equal imeter of irregular between t units of e [for example, re to metre; minute] e, compare ulate different es e and calculate meter of a ar figure ng squares) in tres and	numbers i 4F-2 Conv fractions a 4F-3 Add a fractions v bridging v • recog of cor • add a denor • solve fractic fractic non-u whole • solve involv	ractions on about the long the linear number wice versa and subtract in with the same whole numbers in sea and subtract framinator problems involved and subtract framinator problems to calculate ons to divide quality fractions we number simple measuring fractions and places	umber system the system than the system that t	m roper I mixed or, including oms, families the same ingly harder and cluding swer is a	knowledge and multipl (scaling fact) Count to hundre hundre dividing hundre tenths recogni equival of tentl recogni decima 14,12,3 round decima nearest composite san decima solve si money fraction	y place-value to known ad icative numb is by 100) up and down dths; recogn dths arise wh g an object be d and dividin by ten se and write ents of any n ns or hundred nise and writ!	ditive per facts in see that nen y one g decimal umber diths e to the one with fee two re and yolving

Year 4	1	2	3	4	5	6	7	8	9	10	11	12
Summer	in hunding recognist hundred when disobject to hundred dividing ten recognist decimal equivale number or hunding decimal equivale 14,12,34 round dividing ten recognist decimal equivale 14,12,34 round dividing ten compare with one place to nearest number or hunding places undecimal solve sing measure money places undecimal equivalent decimal equivalent decimal solve sing measure money places undecimal equivalent decimal equ	p and down redths; se that dths arise ividing an by one d and g tenths by se and write lents of any of tenths lredths se and write lents to 4 lecimals e decimal of the whole re numbers e same of decimal up to two liplaces mple	Measurem Money estima compa calcula differe measu includ mone pound pence	ate, are and ate ent ures, ling y in	differ unit mea exar kilor met to mea estir com calcred differ mea and time between anal digit 24-h cloce solv problem invo convergen minimus ecce year mor	vert veen erent s of sure [for mple, metre to re; hour ninute] mate, pare and ulate erent sures l, write convert eveen ogue and cal 12-and nour ks e blems lving verting n hours to utes; utes to onds; s to oths; ks to	c o n s o li d a ti o n	coordinates and translate quadrant 4G-2 Identificial including earlies and squares the side-lent the angles aperimeter of irregular pode 4G-3 Identificial shapes presorientations line of symmetric for respect to a symmetry • compar geometry • identify angles a order a angles I • identify angles are identifications.	colygons, specified by in the first quadrant, the within the first fy regular polygons, quilateral triangles is, as those in which igths are equal and ire equal. Find the if regular and ilygons fy line symmetry in 2D itented in different is. Reflect shapes in a metry and complete a figure or pattern with a specified line of ite and classify tric shapes, including atterals and triangles, on their properties and in lines of symmetry in pes presented in ite orientations in acute and obtuse and compare and ingles up to two right	Statistics Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	a 2-D gr coording quadrar describe between translat unit to t and up/ plot spe and drag	e positions on id as ates in the first at e movements in positions as ions of a given the left/right down ecified points w sides to te a given

Year 5	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	context round ar 000 to the 10 000 a solve nu practical of the ab count fo steps of given nu count fo with post numbers read, wr numbers determined and recount recount read Ror and recount recount recount read Ror and recount read are count read recount read Ror and recount read Ror and recount read Ror and recount read Ror r	ny number up ne nearest 10, nd 100 000 mber problem problems tha	to 1 000 100, 1000, as and t involve all kwards in for any 000 000 ackwards ative whole rough zero d compare) 000 000 and f each digit to 1000 (M)	more that including written m (columna and subtrements) add and so numbers with increments and subtraction problems deciding operation methods why solve production involving subtraction multiplicated division and combinated including understants.	subtract mbers with n 4 digits, using formal nethods r addition raction) subtract mentally easingly large lition and on multi-step s in contexts, which ns and to use and blems addition, on, ation and and a cion of these,	SNF-1 Secure corresponding SNF-2 Apply multiplicative hundredth) SMD-1 Multiplicative hunderstand to 100 times the SMD-2 Find on times the SMD-2 Find on times, and the sestablish recall primer and the multiply number multiplication of the multiply known for the divide number multiply known for the multiply decimals solve profincluding multiple solve profincluding	iply and divide this as equivale e size, or 1 ten factors and much dexpress a gin multiples and fairs of a numbers of a numbers of a numbers up to using a formal cation for two-cand divide numbers up to using a formal cation for two-cand divide numbers up to using a formal cation for two-cand divide numbers up to 4 to formal writte tremainders apand divide which is by 10, 100 and oblems involving using their known acts and divide who is by 10, 100 and oblems involving using their known acts and divide whom a specific tremainders apand divide whom a specific tremainders apand divide whom a specific tremainders and divide whom a specific tremainders apand divide whom a specific tremainders apand divide whom a specific tremainders and divide whom a specific tremainders apand divide tremainders apand divide whom a specific tremainders apand divide tremainders apand divide tremainders apand	Iltiplication table facts, and is, through continued practice towledge to known additive and is (scaling facts by 1 tenth or 1 numbers by 10 and 100; ent to making a number 10 or th or 1 hundredth times the size of positive whole on factors and common wen number as a product of 2 or factors, including finding all er, and common factors of two bulary of prime numbers, prime (non-prime) numbers mber up to 100 is prime and up to 19 are numbers and cube numbers, uared (2) and cubed (3) of 4 digits by a one-or two-digit written method, including long digit numbers mentally drawing upon a digits by a one-digit number numbers method of short division and propriately for the context ole numbers and those involving digitalliplication and division nowledge of factors and	F-2 Find understal and the system identification fraction representation fraction fr	Fractions (a l equivalent of that they same position tify, name and ions of a give esented visual hundredths gnise mixed of the continuous and continuous and continuous and continuous are and subtract end the denominators are multiples iply proper finds bers by whole that the continuous and subtract are multiples in the continuous and	d write equiven fractions and write equiven fraction, ally, including numbers and vert from on the mathema a mixed number fractions with all multiples fractions with or and denores of the same ractions and e numbers, s	me val ar num valent g tenth I impro e form tical mber [f whose s of the th the minato e numb mixed

Year 5	1 2	3	4	5	6	7	8	9	10	11	1
Spring	 multiply number one-or two-digit formal written in multiplication formal written in multiplication formal written in multiply and divide numbers one-digit number written method interpret remain for the context multiply and diand those involved 100 and 1000 solve problems in multiplication are using their known multiplication are scaling by simple problems involved solve problems involved solve problems in subtraction, multiplication, multiplication and a context of the con	y in multiplication esponding division nued practice whole number with one-digit number en method aber with up to 4 number using a nod, and interpret iately for the context rs up to 4 digits by a r number using a nethod, including long or two-digit numbers ide numbers mentally nown facts up to 4 digits by a er using the formal of short division and aders appropriately vide whole numbers ving decimals by 10, involving and division including vledge of factors and es and cubes involving and division, including a fractions and ing simple rates involving addition, litiplication and ombination of these, standing the meaning	of quanti add a subtract the subtract the subtract that mult the subtract mult propured fract mixe num whole num supp	cure n ation ts, and nding facts, d I fractions ities and ract cions with came ominator ominators are ciples of came ber ciply der cions and ded bers by le bers, corted by cerials and	and that 1 is 10 ti hundredths are entimes the size of 0 equivalent to 1 te 0.01 5NPV-2 Recognise numbers with up decompose numb standard and non 5NPV-3 Reason al up to 2 decimals p including identify and 0.1 and round 5NPV-4 Divide 1 is scales/number lir 10 equal parts 5NF-2 Apply place and multiplicative or 1 hundredth) 5F-3 Recall decim 1/5 and 1/10 and read and write example, 0.72 recognise and tenths, hundr round decimal read, write, o three decima recognise the that per cent hundred', and denominator solve problem and decimal entimes	at 10 tenths at mes the size quivalent to 0.01. Know to 0.01. Know to 2 decima pers with up 1-standard part to 100, and as redths and dals with two enumber and cord places en	are equivalent to 1 one, of 0.1. Know that 100 of 1 one, and that 1 is 100 of 1 one, and that 10 hundredths are at 0.1 is 10 times the size of a lue of each digit in all places, and compose and to 2 decimal places using artitioning. ation of any number with a linear number system, and read in units of 1 with 2, 4, 5 and and 10 equal parts, and read in units of 1 with 2, 4, 5 and a lue of 1 one decimal for 1/4, 1/2, are of these proper fractions are of these proper fractions and relate them to be of 1 one decimal place of 1 one de	Area 5G-2 Comp calculate ti rectangles using stand • convei units of unders approx betwe comm such a and pi • use all solve p measu length money notatio • measu perime rectilir centim • calcula the are (includ units, (cm2) (m2) a area o estima examp build of	dard units int between different of metric measure estand and use eximate equivalences een metric units and non imperial units as inches, pounds ints I four operations to problems involving ure [for example, n, mass, volume, y] using decimal ion, including scaling ure and calculate the eter of composite near shapes in metres and metres ate and compare ea of rectangles ding squares) and ling using standard square centimetres and square metres and square metres and estimate the of irregular shapes ate volume [for pole, using blocks to cuboids] and ity [for example,	•	istics completed and interpression tables including timetable solve compared and different using information present a line gr

Year 5	1	2	3	4	5	6	7	8	9	10	11		12
50 es an	G-1 Corstimate ngles in raw ang disti regulates sides use rectared mission angli iden incluothe	ry: Shape mpare ang e and meas n degrees (gles of a gi nguish bet ular and irr rgons base coning abo s and angl the proper angles to c ted facts a sing length les rtify 3-D sh uding cube er cuboids, representa	sure o') and iven size ween egular d on ut equal es. rties of leduce nd find s and apes, s and from	estimate a acute, obt reflex ang draw gives measure t degrees identify: angles at a one whole 360°) angles at a straight lir turn (total other mulidentify, drepresent of a shape reflection translation appropria and know	es are in degrees: ind compare use and les n angles, and hem in a point and e turn (total a point on a ne and ½ a 180°) tiples of 90° escribe and the position of following a or n, using the te language,	Number: Decimal 5MD-1 Multiply anumbers by 10 anumbers by 10 anumbers and this are equivalent to manumber 10 or 10 size, or 1 tenth on hundredth times read and wrinumbers as and [for example 71/100] recognise and thousandths them to tenthe hundredths and decimal equingular to round decimal the nearest with number and decimal places read, write, or compare numbers and the search write, or compare numbers and decimal places use all four or to solve problems and places example, more example, more example, more example, more example, more endinger and the solve problems are solve problems and the solve problems and the solve problems are solve problems and the solve problems are solve problems.	and divide and 100; as king a 0 times the r 1 the size te decimal ractions and relate this, and valents als with places to whole to one e corder and mbers with ecimal perations allems as wire [for	backy steps power for an numb 1 000 • count forward backy with properties and numb include.	ers or wards in of ers of 10 ony given per up to 0 000 control and wards positive egative egets,	units of measincluding us decimals an convert differen metric is underst approxice equivalent between units are imperial as inches and pin use all for operation problem measure examplemass, volume includirent solve problem involvin	vert between asure, ing common d fractions. between it units of measure and and use mate ences in metric id common I units such es, pounds its four ons to solve ins involving e [for e, length, olume, using I notation, ing scaling	ı —	convert between different units of metric measure understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres calculate and compare the area of rectangles (including squares) and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes estimate volume [for example, using blocks to build cuboids] and capacity [for example, using water]

Year 6	1	2	3	3	4	5	6	7		8	9	10	11	12
Autumn	between phundredth make a give tenth, 1 hu times the s 10, 100 and 6NPV-2 Red each digit i including d compose a to 10 millio non-standa 6NPV-3 Red any number decimal frasystem, and appropriate 6NPV-4 Divhundredth 10 equal palines with I 2, 4, 5 and • read, v number determ • (read, v number determ • round require vuse negand cal solve n	derstand the relationship owers of 10 from 1 to 10 million, and use this to en number 10, 100, 1,000, 1 ndredth or 1 thousandth ize (multiply and divide by	and I 6AS/ calculation calculation in the second calculation in the se	Division / MD-2 ulation ulation mixed use the to car operarised operarised operarised use escalculary problem whole multipuse escalculary two-d writted divide whole method remain fraction the condition of the c	on Use a given to deriven, using an inperation and inperation and inperation and inperation and inperations are using the inperations and inp	ven additive or comprithmetic place-valued and large edge of the culations in texts, decomptones and subtrantexts, decomptones and determine propriate of digit number to 4 di using the fiduision, a whole num rounding, up to 4 di he formal where approording to the culture and large involving and division dedge of the comprished and large involving and division dedge of the comprished and large involving and division dedge of the comprished and large and	ction multiciding which to use and common in the codegree of a pers up to 4 using the formal write and interpriber remain as appropriate, in the context ons, including addition, so n	plicative red inverse inding ing with s operations e four -step h why nultiples ontext of a accuracy digits by a ormal on vo-digit ten et inders, riate for vo-digit ethod of terpreting ing with s ubtraction, operations	6F-1 fract and simple 6F-2 commuse that 6F-3 difference and as a •	use common plify fraction is are similar in the compare of comparison use common of comparison use common of compare of c	e when be simplified, fon factors to cons ractions in a comination and compare fractions r in value fractions with cominators, ions greater easoning, and en reasoning denomination con strategy con factors to actions; use multiples to actions in the comination and order including 1 abtract fractions rent tors and mixed using the f equivalent imple pairs of ctions, writing ar in its simplest /4×1/2=1/8] per fractions by mbers [for	powers 1 hund million and 10 and rea scales/ lines w interva into 2, equal p add fra diff de and the eq fra wr and sin [fo exa /2= div fra wh [fo	ns (b) Divide of 10, from redth to 10 into 2, 4, 5 equal parts, of number ith labelled ls divided 4, 5 and 10 ortract ctions with ferent nominators d mixed mbers, using e concept of uivalent ctions ultiply simple ors of proper ctions, iting the swer in its nplest form	Measure: Converting Units solve problems involving the calculation and conversion of unit of measure, using decimal notation to 3 d.p. where appropriate use, read, write a convert between standard units, converting measurements of length, mass, volume and time from a smaller unity of measure to a larger unit, and viversa, using decimination to up to d.p. convert between miles and kilometed use, read, write a convert between standard units, converting measurements of time from a small unit of measure to larger unit, and viversa

Year 6	1	2	3	4	5	6	7	8	9	10		11	12
Spring	2 numbers of additively of multiplicatively of multiplicatively of multiplicative (multiplicative) (multipli	Inderstand that an be related rely, and ditive and relationships relationships relationships relationships oblems generationships oblems generationships oblems generation facts oblems generation facts oblems generation displayed the ion/use of ages for ison oblems generations gener	form gene desc num sequ expr num alge find num satis equ unk enum poss com	-4 Solve s with 2 ns simple nulae erate and cribe linear	10 equal part scales/numb labelled interinto 2, 4, 5 arparts identify each dignumber three defended with divical culater fraction [for example of the colon of t	le powers of undredth to to 2, 4, 5 and ts, and read er lines with reals divided and 10 equal the value of git in s given to ecimal places er a fraction ision and er decimal equivalents mple, 0.375] apple fraction mple, 38] and use ences an simple s, decimals centages, g in different	with divical calculate fraction [for exar for a sime [for exar • recall an equivale betweer fractions and percent calculate fractions and percent calculate fractions and percent fractions calculate fraction	e a fraction sision and e decimal equivalents mple, 0.375] uple fraction mple, 38] d use nces a simple s, decimals centages, g in different	GG-1 Draw, and decom according to properties, dimensions area, and so problems recogn shapes same a differee and vice recogn possib formul and voos shapes calcular paralled triangle calcular and coof cubic using so including centime and cure (m3), as	and Volume compose, compose shapes co given including s, angles and olve related dise that s with the creas can have nt perimeters ce versa dise when it is le to use ae for area clume of ste the area of clograms and	Sta	and line use the problem calculat	ct pie charts graphs and se to solve ns e and et the mean

Year 6	1	2	3	4	5	6	7	8	9	10	11	12
Summer	shapes accordincluding dirarea, and so draw 2-I dimension compares shapes to and size illustrates circles, in and circles, in an and circles, in an analysis and circles, in an analysis and circles, in an analysis and ci	compose, and rding to given mensions, angilve related produced in the control of	properties, les and oblems given s geometric properties rts of s, diameter d know that the radius d build luding n any ls, and e they meet aight line,	Geometry: Position and Direction • describe positions on the full coordinate grid (all four quadrants) • draw and translate simple shapes on the coordinate plane, and reflect them in the axes	Themed pro	jects, Consolid	lation and Pro	blem Solving				