Key Principles in Foundation 2

Autumn 1	Autumn 2	Spring 1	` Spring 2	Summer 1	Summer 2
Count to 5	Count 6,7,8	Count to 10	Count to 20	Addition by counting on	Halving
Order numbers within 10	Order 2 or more lengths	Add 1 within 10	Everyday language of shape	Subtraction by counting back	Doubling
Add 1 within 5	Order familiar events	Subtract 1 within 10	Add 1 within 20		Sharing
Subtract 1 within 5		Add 2 numbers within 10 by counting sets	Subtract 1 within 20		Compare capacity
		Subtract from a small group by 'taking away'			Compare money

Autumn	Spring	Summer
Represent and use number bonds and related subtraction facts within 10	Represent and use number bonds and related subtraction facts within 20	Add and subtract one-digit and two- digit numbers to 20, including zero.
Count, read and write numbers to 20 in numerals;	Count in multiples of twos, fives and tens	Count, read and write numbers to 100 in numerals;
Given a number, identify one more and one less to 20	Count, read and write numbers to 50 in numerals;	Given a number, identify one more and one less to 100
Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs	Recognise, find and name a half as one of two equal parts of an object, shape or quantity	Solve one-step problems involving multiplication and division
Recognise and name common 2-D and 3-D shapes, including:	Given a number, identify one more and one less to 50-	
Recognise and know the value of different denominations of coins and notes	Recognise and use language relating to dates, including days of the week, weeks, months and years	

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Recognise the value of	Add two multiples of ten	Recall and use	Add three single digits	Add two 2-digit	Add two 2-digit
each digit in a two-		multiplication facts for		numbers	numbers
digit number	Subtract a multiple of ten	the 2, 5 and 10	Find amounts made up		
	from another multiple of ten	multiplication tables	of different coins	Subtract a two-digit	Subtract a two-digit
Order numbers to 100				number from a 2-digit	number from a 2-digit
	Add a multiple of ten to a		Find change	number	number
Represent 2-digit	two-digit number				
numbers on a number		Recall and use division	Tell the time to	Use factor, factor,	Interpret and construct
line	Subtract a multiple of ten	facts for the 2, 5 and	quarter past and	product knowledge of	simple pictograms,
	from a two-digit number	10 multiplication	quarter to	2 5 and 10	tally charts, block
Add a single digit to a		tables		multiplication tables	diagrams and simple
two-digit number (not	Show that multiplication of		Compare and order		tables
crossing ten	two numbers can be done in		lengths	Use mathematical	
boundary)	any order (commutative) and	Recognise, find, name		vocabulary to describe	Add and subtract
	division of one number by	and write fractions		rotation as a turn and	mass (kg/g)
Subtract a single digit	another cannot	1/3, 2/4, and ¾ of a		in terms of right	length/height (cm/m)
from a two-digit		shape or set of objects		angles for quarter, half	capacity (ml/l)
number	Show how multiplication can			and three-quarter	
	be represented			turns (clockwise and	
		Find fractions of		anti-clockwise).	
	Show how division can be	amounts			
	represented				

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Compare and order numbers up to 1000 Add or subtract 10 or 100 to a 3-digit number	 Add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds Add and subtract mass (kg/g); Recall and use multiplication facts for the 3, 4 and 8 multiplication tables Recall and use division facts for the 3, 4 and 8 multiplication tables	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators Identify right angles, recognise that two right angles make a half-turn Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	Estimate and read time with increasing accuracy to the nearest minute Add and subtract numbers with up to three digits mentally Calculate division with remainders	Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 =6/7 Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Measure the perimeter of simple 2-D shapes Calculate 2-digit x 1 digit and 2d ÷ 1 digit for multiplication and division facts they know Interpret and present data using bar charts

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Read and write,	Add and subtract	Recognise and show	Add numbers to 1	Convert between km	Compare and classify
numbers to at least	numbers using a	common equivalent	decimal place	and m	geometric shapes,
10 000	written method	fractions including			including
		improper fractions	Subtract numbers to 1	Recognise and write	quadrilaterals and
Order and compare	Know when to use a		decimal place	decimal equivalents to	triangles, based on
numbers to at least	mental or written	Add and subtract		$\frac{1}{4}\frac{2}{4}$ and $\frac{3}{4}$	their properties and
10 000	method for addition	fractions with the		4 4 4	sizes
	or subtraction of 4-	same denominator	Read, write and		
Round any number to	digit numbers		convert time between	Add numbers to 2	Count backwards
the nearest 10, 100		Recognise and write	analogue and digital	decimal places	through zero to
or 1000	Recall multiplication	decimal equivalents of	12- and 24-hour		include negative
	facts to 12 x 12	any number of tenths	clocks	Subtract numbers to 2	numbers
		or hundredths		decimal places	
Convery between g					Identify acute and
and kg	Recall division facts to	Find the effect of	Multiply and divide	Compare and	obtuse angles
	12 x 12	dividing a one- or	two-digit and three-	calculate different	
Add and subtract		two-digit number by	digit numbers by a	measures, including	Describe positions on
1000s or 100s to a 4-	Recognise and use	10 and 100,	one-digit number	money in pounds and	a 2-D grid as
digit number	factor pairs	identifying the value	using formal written	pence	coordinates in the first
	Find the sume of	of the algits in the	layout		quaarant
	Fina the area of	answer as ones,			
	rectilinear snapes by	tenths and hundreaths			
	counting squares				

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Read and write,	Identify multiples and	Recognise mixed	Multiply numbers up	Draw given angles,	Recognise the per cent
numbers to at least 1	factors, including	numbers and improper	to 4 digits by a one-	and measure them in	symbol (%) and
000 000	finding all factor pairs	fractions and convert	or two-digit number	degrees (°)	understand that per
	of a number, and	from one form to the	using a formal written		cent relates to
Order and compare	common factors of	other	method, including	Read, write, order and	'number of parts per
numbers to at least 1	two numbers		long multiplication for	compare numbers	hundred', and write
000 000		Compare and order	two-digit numbers	with up to three	percentages as a
	Know and use the	fractions whose		decimal places	fraction with
Count forwards or	vocabulary of prime	denominators are all	Divide numbers up to		denominator 100, and
backwards in steps of	numbers, prime	multiples of the same	4 digits by a one-digit	Multiply proper	as a decimal
powers of 10 for any	factors, composite,	number	number using the	fractions and mixed	
given number up to 1	square and cubed		formal written method	numbers by whole	Convert between
000 000		Add and subtract	of short division and	numbers, supported	different units of
	Multiply and divide	fractions with the	interpret remainders	by materials and	metric measure
Add and subtract	whole numbers and	same denominator	appropriately for the	diagrams	
numbers mentally	those involving	and denominators	context		Interpret line graphs
with increasingly large	decimals by 10, 100	that are multiples of		Add and subtract	
numbers eg 5-digit –	and 1000	the same number	Complete, read and	decimals with mixed	
4-digit multiple of 10			interpret information	decimal places	
	Calculate new facts		in tables, including		
Add and subtract	drawing on previous		timetables.	Solve problems	
whole numbers with	knowledge			involving converting	
more than 4 digits,			Identify, describe and	between units of time	
including using formal	Calculate area of		represent the position		
written methods	rectangles		of a shape following a		
(columnar addition			reflection or		
and subtraction)			translation		