

Autumn	Spring	Summer
I can identify and represent	I can remember number bonds	I can represent and use number
numbers using objects and	to 10 and 20 and use this	bonds and related subtraction
pictures, including the number	knowledge to solve subtraction	facts within 20.
line, and use the language of:	problems.	
equal to, more than, less than	(for example, 9 + 7 = 16; 16 – 7	I can use patterns of similar
(fewer), most, least.	= 9; 7 = 16 - 9).	calculations.
I can find one more and one less	I know the effect of adding or	I can add 9 to a single digit
than a given number.	subtracting zero to another number.	number by adding 10 and subtracting 1.
I know the addition and		
subtraction facts for all numbers	l can skip count in 2s.	I can reorder numbers when
to at least 5.	I recognise odds and evens	biggest number
I know all the pairs of numbers	numbers.	biggest number.
which add up to 10.		I can identify half of numbers to
,	I know the addition doubles of	, 10.
I can use the number facts I	all numbers to at least 5.	
already know (like number		
bonds of 5 and 10) and place	I can identify near doubles using	
value to add or subtract pairs of	doubles already known. (for	
single digit numbers.	example 2 + 3 = 5 because 2 + 2 = 4 + 1 more).	
I can count through ten when		
adding a single digit to another		
number.		



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I can compare and order numbers	I can use place value and number	I can calculate mathem
from 0 up to 100; using <, > and =	facts to solve problems.	statements for multiplic
signs.	I can recall and use addition and	division within the multalearning community
I can partition numbers in different	subtraction facts to 20 fluently and	multiplication (x) division (\div) and
ways (for example, $23 = 20 + 3$ and	derive and use related facts up to	equals (=) signs.
23 = 10 + 13) to support	100 (30 + 70)	
subtraction.		I can show that multiplication of
	I can find a small difference by	two numbers can be done in any
I can add and subtract to 20 to	counting up from the smaller to the	order (commutative) and division
become increasingly litent in finding facts such as using $3 \pm 7 =$	larger number.	of one number by another cannot.
10: 10 - 7 = 3 and 7 = 10 - 3 to	I can add or subtract 9. 19 11 or 21	I am beginning to use other
calculate 30 + 70 = 100; 100 – 70 =	by rounding and compensating.	multiplication tables (like the 3X
30 and 70 = 100 – 30.	(For example + 19 = + 20 – 1)	and 4X tables) and recall
		multiplication facts, including using
I check my calculations, including	I can add three small numbers by	related division facts to perform
adding numbers in a different order	or find a pair totalling 10	
to check addition (for example, 5 +		I know the doubles of all numbers
2 + 1 = 1 + 5 + 2 = 1 + 2 + 5). This	I can recall and use multiplication	to 10 and corresponding halves.
establishes commutativity and	and division facts for the 2, 5 and	
associativity of addition.	10 multiplication tables.	I can identify near doubles. (For
I can add and subtract numbers	L can recognize odd and even	example $8 + 9 = 17$ because $8 + 8 = 16 + 10$
mentally including.	numbers	10 + 1).
- a two-digit number and		I can relate halving to fractions and
ones		measures (for example, $40 \div 2 = 20$,
- a two-digit number and		20 is a half of 40). I use
tens		commutativity and inverse relations
- two two-digit numbers		(for example $4 \times 5 = 20$ and $20 \div 5$
numbers		= 4).
- show that addition of two		
numbers can be done in		I can partition into five and a bit
any order (commutative)		when adding 6 7 8 or 9 then
and subtraction of one		recombine.
cannot.		
I can partition additions into tens		
and ones and then recombine. (For		
example $43 + 25 = 40 + 20 = 60, 5 + 2 = $		
S - 0.00 + 0 = 00		
I can recognise and use the inverse		
relationship between addition and		
subtraction to solve missing		
number problems.		

Autumn	Spring	Summer
I can partition additions into	I can add 3 or 4 small numbers	I know all pairs of multiples of
tens and ones and then	by putting the largest number	100 with a total of 1000.
recombine. (For example 43 +	first and / or by finding pairs	
25 = 40 + 20 = 60, 5 + 3 = 8. 60 +	totalling 9, 10 or 11.	I can say or write a division
8 = 68).		statement corresponding to a
	I can add or subtract mentally a	given multiplication statement.
I know the addition and	near multiple of 10 to or from a	(For example 24 ÷ 6 = 4 because
subtraction facts for all numbers	2 digit number.	6 X 4 = 24).
to 20.		
	I can bridge through a multiple	I can use patterns of similar
I can find a small difference by	of 10 and then readjust.	calculations. (For example 2 + 8
counting up from the smaller to		=10, 20 + 80 = 100, 200 + 800 =
the larger number.	I can use my knowledge of	1000).
	number facts and place value to	
I can reorder numbers in a	multiply or divide by 2, 5, 10 or	I can recognise, find and write
calculation. (For example	100.	fractions of a set of objects: unit
starting with the largest number		fractions and non-unit fractions
when adding).	I can recall and use	with small denominators.
	multiplication and division facts	
I can add and subtract numbers	for the 3, 4 and 8 multiplication	l am confident doubling or
mentally, including:	tables.	halving a given number.
- a three-digit number and		Leen identify near develop (Fer
ones	I know that to multiply a number	I can identify near doubles. (For
- a three-digit number and	by 10 / or 100 it shifts its digits 1	example $18 + 19 = 37$ because
a three digit number and	or 2 places to the left.	18 + 18 = 36 + 1).
- a three-digit humber and	I know all pairs of multiplas of E	
indialeas.	with a total of 100	I know what stratogies I can use
I can usa my knowladga of		to montally solve addition
number facts and place value to		subtraction multiplication and
add or subtract pairs of		division problems
numbers		
I can say or write a subtraction		
statement corresponding to a		
given addition statement. (For		
example if I'm given $24 + 35 = 59$		
then 59 – 35 = 24, or 59 – 24 =		
35).		



Autumn	Spring	Summer
I can find 1000 more or less	I can bridge through 100 when	I can find the effect of dividing a
than a given number.	adding.	one- or two-digit number by 10
		and 100, identifying the
I can round any number to the	I can add 3 or 4 small numbers	value of the digits in the answer
nearest 10, 100 or 1000.	finding pairs totalling 10.	as ones, tenths and hundredths
I can count backwards through	I continue to use the	I can partition to carry out
zero to include negative	relationship between addition	multiplication
numbers.	and subtraction to work out	
	inverse statements. (For	I can recognise and use factor
I can reorder numbers in a	example if 64 + 29 = 93 then 93	pairs and commutativity in
calculation. (For example	-29 = 64 and 93 - 64 = 29).	mental calculations. (For
starting with the largest number		example 8 X 7 = 56 so 56 ÷ 8 =
when adding).	I can use knowledge of number	7).
	facts and place value to add or	
I can add numbers by	subtract any pair of 2 digit	I can double any 2 digit number
1s adding the 10s first	numbers.	by doubling the tos first.
13 adding the 103 mst.	I can recall multiplication and	I can identify near doubles (For
I can add 3 two digit multiples of	division facts for multiplication	example $18 + 19 = 37$ because
10.	tables up to 12 × 12.	18 + 18 = 36 + 1).
I can add or subtract 9, 19 or 29,	I can use place value, known	I can round decimals with one
11, 21 or 31 by rounding and	and derived facts to multiply	decimal place to the nearest
compensating. (For example 54	and divide mentally, including:	whole number.
+ 29 = 54 + 30 - 1).	- multiplying by 0 and 1;	
I can add or subtract the pearest	- dividing by 1;	I know what strategies I can use
multiple of 10 then adjust	three numbers	subtraction multiplication and
(For example $86 - 49 = 86 - 50 +$	thee numbers.	division problems.
1).	I can multiply by 10 and then	
	100.	



Autumn	Spring	Summer
I can count up through the next	I can add and subtract numbers	I can partition to carry out
multiple of 10, 100 or 1000.	mentally with increasingly large	multiplication or division.
	numbers. I practise mental	
I can round any number up to 1	calculations with increasingly	I can use the relationship
000 000 to the nearest 10, 100,	large numbers to aid fluency.	between multiplication and
1000, 10 000 and 100 000.	(For example, 12 462 – 2300 = 10 162).	division.
I can interpret negative		I know how to find all the
numbers in context, count	I can add or subtract the nearest	factors of a given number.
forwards and backwards with	multiple of 10 then adjust.	
positive and negative whole	(For example 586 - 249 = 586 –	I can double any 2 digit number
numbers, including through	200 - 50 + 1).	by doubling the 10s first.
zero.		
	I have a clear understanding of	I can identify near doubles. (For
I can partition into 100s, 10s	the relationship between	example $18 + 19 = 37$ because
and ones adding the most	addition and subtraction and am	18 + 18 = 36 + 1).
significant first.	exploring and developing	I can double and half desimals
I can use known number facts	knowledge of inverses.	
and place value to add or	I can recall multiplication and	
subtract pairs of 3 digit	division facts for multiplication	I can round decimals with two
multiples, multiples of 10 and 2	tables up to 12 × 12.	decimal places to the nearest
digit numbers with one decimal		whole number and to one
place.	I can multiply and divide	decimal place.
	numbers mentally drawing upon	
I can reorder numbers in a	known facts.	
calculation. (For example		
starting with the largest number	Use closely related facts to carry	
when adding).	out multiplication and division.	
	(For example 14 X 2 = 28 so 14 X	
l can add several numbers together.	20 = 280).	
	I can multiply and divide whole	
	numbers and those involving	
	decimals by 10, 100 and 1000.	



Autumn	Spring	Summer
I can identify the value of each digit in numbers given, to three decimal places.	I can double and halve decimals.	I can find all square numbers to 100.
I can multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.	I can use my knowledge of number facts and place value to multiply or divide. I can partition to carry out	I can use my knowledge of number facts and place value to add and subtract mentally.
I can add or subtract the nearest multiple of 10, 100 or 1000 and then adjust. (For example 4586 - 2998 = 4586 – 2000 - 1000 + 2).	multiplication or division. I know how to find all the factors of a given number.	I can use my knowledge of number facts and place value to add and subtract numbers with 1 and 2 decimal places.
I can reorder numbers in a calculation. (For example knowing that addition and multiplication can be done in any order).	I have a strong understanding of all strategies for all 4 operations.	I know how to find all prime numbers to at least 20 (but within 100).
I have a clear understanding of the relationship between addition and subtraction and am exploring and developing knowledge of inverses.		
I can use my knowledge of number facts and place value to add or subtract pairs of 3 digit multiples of 10 and 2 digit numbers with 1 decimal place.		
I can doubling and halve whole numbers.		