Arithmetic Coverage Years 1-6

Year 4

Year 5

Year 6

Year 3

Year 1

Year 2

	Year 2	Year 3	Year 4	Year 5	Year 6
Add and subtract one-digit and two-digit	Add and subtract one-digit and two-digit	Recall and use addition and subtraction	Recall and use addition and subtraction	Count from 0 in multiples of 4, 8, 50 and	Count from 0 in multiples of 4, 8, 50 and
	numbers to 20 including zero	facts to 20 fluently, and derive and use	facts to 20 fluently, and derive and use	100; find 10 or 100 more or less than a given	100; find 10 or 100 more or less than a giver
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		related facts up to 100	related facts up to 100	number	number
Give a number, identify one more and one	Give a number, identify one more and one	Totalog lable up to 100	Totaled idele up to 100	Hambol	Tidiliboi
less.	less.	Add and subtract numbers using concrete	Count from 0 in multiples of 4, 8, 50 and	Add and subtract numbers mentally,	Add and subtract numbers mentally,
1655.	1655.	,			1
Department and the growth and and	Decall and was addition and subtraction	objects, pictorial representations and	100; find 10 or 100 more or less than a given	including a three-digit number and ones	including a three-digit number and ones
•	Recall and use addition and subtraction	mentally for a two-digit number and ones	number		
	facts to 20 fluently, and derive and use			Add and subtract numbers mentally,	Add and subtract numbers mentally,
	related facts up to 100	Add and subtract numbers using concrete	Add and subtract numbers with up to three-	including a three-digit number and tens	including a three-digit number and tens
Solve one-step problems that involve		objects, pictorial representations and	digits, using formal written methods of		
addition and subtraction, using concrete	Recall and use multiplication and division	mentally for a two-digit number and tens	columnar addition and subtraction	Add and subtract numbers mentally,	Add and subtract numbers mentally,
objects and pictorial representations, and	facts for the 2, 5 and 10 multiplication tables,			including a three-digit number and hundreds	including a three-digit number and hundreds
missing number problems such as 7= [] -9	including recognising odd and even	Recall and use multiplication and division	Recall and use multiplication and division		
	numbers.	facts for the 2, 5 and 10 multiplication tables,	facts for the 3, 4 and 8 multiplication tables	Add and subtract numbers with up to three-	Add and subtract numbers with up to three-
Recognise, find and name a half as one of		including recognising odd and even	, 1	digits, using formal written methods of	digits, using formal written methods of
	Add and subtract numbers using concrete	numbers.	Find 1000 more or less than a given number	columnar addition and subtraction	columnar addition and subtraction
	objects, pictorial representations and	Trainisore.	This root more or loss than a given names	columnal addition and capitation	
•	mentally for a two-digit number and ones	Count from 0 in multiples of 4, 8, 50 and	Add and subtract numbers with up to 4	Find 1000 more or less than a given number	Add and subtract fraction with the same
Recognise, find and name a quarter as one	montally for a two-digit fluffiber and offes	100; find 10 or 100 more or less than a given	digits, using the formal written methods of	י וווע זיטט וווטוכ טו ופסס נוומוז מ קועפוז וועווווטפו	denominator within one whole [for example,
• •	Add and authroat numbers wains accepts	1 .		Add and authtraat numbers with 4- 4	
	Add and subtract numbers using concrete	number	columnar addition and subtraction where	Add and subtract numbers with up to 4	5/7 + 1/7 = 6/7]
' '	objects, pictorial representations and		appropriate	digits, using the formal written methods of	5. 14000
	mentally for a two-digit number and tens	Add and subtract numbers mentally,		columnar addition and subtraction where	Find 1000 more or less than a given number
		including a three-digit number and ones	Recall multiplication and division facts for	appropriate	
	Recognise, find and name a half as one of		multiplication tables up to 12 x 12		Add and subtract numbers with up to 4
	two equal parts of an object, shape or	Add and subtract numbers mentally,		Recall multiplication and division facts for	digits, using the formal written methods of
	quantity	including a three-digit number and tens	Add and subtract numbers mentally,	multiplication tables up to 12 x 12	columnar addition and subtraction where
		Add and subtract numbers mentally,	including a three-digit number and ones	·	appropriate
	Recognise, find and name a quarter as one	including a three-digit number and hundreds	The grant grant are a real	Add and subtract numbers mentally with	The state of the s
	of four equal parts of an object, shape or	and the field of the state of t	Add and subtract numbers mentally,	increasingly large numbers	Recall multiplication and division facts for
	quantity	Add and subtract numbers with up to three-	including a three-digit number and tens	inc. Sacingly large nambers	multiplication tables up to 12 x 12
	quantity	digits, using formal written methods of	I moduling a timed-digit number and tens	Multiply and divide whole numbers and	
	Add and authroat numbers using asserts		Add and subtract numbers montally	' '	Lipo place value known and derived facts to
	Add and subtract numbers using concrete	columnar addition and subtraction	Add and subtract numbers mentally,	those involving decimals by 10, 100 and	Use place value, known and derived facts to
	objects, pictorial representations and		including a three-digit number and hundreds	1000	multiply and divide mentally, including:
	mentally for two-digit numbers	Solve problems, including missing number			multiplying by 0 and 1; dividing by 1;
		problems, using number facts, place value,	Solve problems, including missing number	Use place value, known and derived facts to	multiplying together three numbers
	Recognise and use inverse relationship	and more complex addition and subtraction	problems, using number facts, place value,	multiply and divide mentally, including:	
	between addition and subtraction and use		and more complex addition and subtraction	multiplying by 0 and 1; dividing by 1;	Multiply two-digit and three-digit numbers by
	this to check calculations and solve missing	Recall and use multiplication and division		multiplying together three numbers	a one-digit number using a formal written
	number problems	facts for the 2, 5 and 10 multiplication tables,	Recall and use multiplication and division		layout
	1 -	including recognising odd and even	facts for the 3, 4 and 8 multiplication tables	Multiply two-digit and three-digit numbers by	*
	Recall and use addition and subtraction	numbers.	The state of the s	a one-digit number using a formal written	Add and subtract fractions with the same
	facts to 20 fluently and derive and use		Recognise, find and write fractions of a	layout	denominator
	related facts up to 100	Recall and use multiplication and division	discrete set of objects: unit fractions and on-	layout	
	related lacts up to 100		,	Add and subtract fractions with the same	Compare numbers with the same number of
	December find name and with facilities	facts for the 3, 4 and 8 multiplication tables	unit fractions with small denominators		Compare numbers with the same number o
	Recognise, find, name and write fractions	Add and subtract to the state of the state o	Harater orbit	denominator that are multiples of the same	decimal places up to two decimal paces
	1/3, 1/4, 2/4 and 3/4 of length, shape, set of	Add and subtract numbers using concrete	Use place value, known and derived facts to	number	
	objects or quantity	objects, pictorial representations and	multiply and divide mentally, including:		Add and subtract numbers mentally with
		mentally for two-digit numbers	multiplying by 0 and 1; dividing by 1;	Recognise and use square numbers and	increasingly large numbers
	Count in steps of 2,3 and 5 from 0, and in		multiplying together three numbers	cube numbers, and the notation for squared	
	tens from any number, forward and	Recognise, find, name and write fractions		(2) and cubed (3)	Add and subtract whole numbers with more
	backward	$1/3$, $\frac{1}{4}$, $2/4$ and $\frac{3}{4}$ of length, shape, set of	Add and subtract fraction with the same	``	than 4 digits, including using formal written
		objects or quantity	denominator within one whole [for example,	Solve problems, including missing number	methods (columnar addition and subtraction
			5/7 + 1/7 = 6/7	problems, using number facts, place value,	
		Recognise and use fractions as numbers:	01 - 11 - 011	and more complex addition and subtraction	Multiply and divide numbers mentally
			Multiply two digit and throa digit numbers by	מווט וווטוב כטוווףובא מעטונוטוו מווע שטענומכנוטוו	, , ,
		unit fractions and non-unit fraction s with	Multiply two-digit and three-digit numbers by	December find and units for the	drawing upon known facts
		small denominators	a one-digit number using a formal written	Recognise, find and write fractions of a	
			layout	discrete set of objects: unit fractions and on-	Multiply and divide whole numbers and
		Recognise, find and write fractions of a		unit fractions with small denominators	those involving decimals by 10, 100 and
I.		discrete set of objects: unit fractions and on-	Compare numbers with the same number of		1000
		uiscrete set or objects, unit mactions and on-	Compare mambers with the same number of		1000

5/7 + 1/7 = 6/7

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Add and subtract fraction with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]

Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.

Find the effect of dividing a one or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Count in multiples of 6, 7, 9, 25 and 1000

Multiply two-digit and three-digit numbers by a one-digit number using a formal written layout

Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

Multiply and divide numbers mentally drawing upon known facts

Multiply numbers up to 4 digits by one or two-digit number using a formal written, including long multiplication for two-digit numbers

Read, write, order and compare numbers with up to three decimal places

Solve problems involving number up to three decimal places

Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Read and write decimal numbers as fractions (for example, 0.71=71/100)

Multiply numbers up to 4 digits by one or two-digit number using a formal written, including long multiplication for two-digit numbers

Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context

Divide numbers up to 4 digits by a two-digit whole number using the formal written method of short/long division and interpret remainders as whole numbers remainders, fractions, or by rounding as appropriate for the context

Use written division methods in cases where the answer has up to two decimal places

Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)

Add and subtract fractions with the same denominator that are multiples of the same number

Read, write, order and compare numbers with up to three decimal places

Use their knowledge of the order of operations to carry out calculations involving the four operations

Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

Multiply multi-digit numbers by a two-digit whole number using the formal written method of long multiplication

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Recognise and use fractions as numbers: unit fractions and non-unit fraction s with small denominators

Multiply two-digit and three-digit numbers by a one-digit number using a formal written layout

	Multiply one-digit numbers with up to two decimal places by whole numbers
	Solve problems involving number up to three decimal places
	Multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, $\frac{1}{4}$ x $\frac{1}{2}$ = 1/8)
	Divide proper fractions by whole numbers (for example 1/3÷2=1/6)
	Read and write decimal numbers as fractions (for example, 0.71=71/100)
	Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.
	Solve problems involving the calculation of percentages (for example, of measures, and such as 15% of 360) and the use of percentages for comparison