DRAFT: 2016 Mathematics Key Stage 1 Teacher Assessment Performance Descriptors

Number and Place	Number - addition and subtraction	Number -	Number - fractions	<u>Measurement</u>
Value	Recall and use addition and	multiplication and	Recognise, find and name a half as 1 of 2 equal parts	Solve simple measure problems in a practical context using direct comparison and non-
order and one-to-one	5 and some facts to 10	<u>aivision</u>	Recognise and find half of a moveable small set of	standard units
correspondence to count	Using apparatus represent and use	answer questions	objects or a quantity	Sort coins and recognise the value of 1p, 2p,
sets of at least 20 objects reliably	facts within 20	involving multiplication	Recognise, find and name a quarter as 1 of 4 equal	Begin to recognise the days of the week and
Count to at least 20,	Add and subtract 1-digit and 2-digit	facts for the 10 multiplication table	Begin to solve simple problems involving fractions	sequence the events of a day in chronological
forwards and backwards	numbers to 20, including zero, using	Begin to recall and use	Recognise, find, name and write fractions of a half of	order using appropriate language such as before, after, next, morning, afternoon
to 10	pictorial representations and basic	doubling and halving	a length, shape, set of objects or quantity	Tell the time at the hour
Order numbers from 1 to	written methods	double 5	Begin to find % and % of a small set of objects	Measure and begin to record the following:
at least 20 in ascending and descending order	(-) and equals (=) signs to record their	Begin to recognise even	and solve them	lengths and heights
Know the number that is	work	numbers to 10	Recognise the equivalence of ³ / ₄ s and ¹ / ₂ in practical	mass/weight
1 more and 1 less than	Read the mathematical statements they	Solve single step	contexts and when counting in fractions	volume/capacity
Use the language of	Use these skills and approaches to	grouping and sharing by	standard are embedded	Recognise and know the value of different
more than, less than	solve single step problems	using objects	Recognise, find, name and write fractions: 1/3, 1/4, 3/4	denominations of coins and notes
(fewer), most, equal to	subtraction facts for all numbers up to	facts for the 10	and % of a length, shape, set of objects of quantity	Begin to recognise and use the symbols
numbers to at least 20	10.	multiplication table and	notation and solve them	Combine amounts to make small values
apparatus and number	Add and subtract numbers mentally, including	division facts, and count	Geometry - properties of shapes	Sequence the events of several days in
lines	2 single-digit numbers	in steps of 10 to answer	Recognise, name and describe the properties of 2-D	chronological order using appropriate
Use the number facts	a number up to 20 and 1s	questions	triangles)	Tell the time to half past the hour; turn the
problems	Add and subtract numbers using concrete	Recall and use doubling and halving facts for	Recognise, name and describe the properties of 3-D	hands of a geared clock to show these
Count to and across 100,	written columnar method including:	numbers up to double 10	shapes such as cuboids (including: cubes, pyramids and spheres)	show o'clock times
beginning with 0 or 1. or	a two-digit number and 1	and other significant	Sort shapes based on simple properties	Recognise and use language relating to
from any given number	adding 3 single-digit numbers with a total	Recognise odd and even	Recognise, name and describe the properties of	dates, including days of the week, weeks, months and years
Count in multiples of 2s,	Read, write and interpret mathematical	numbers to 20	common 2-D shapes including pentagons and	Know there are 7 days in a week
Count in steps of 10	statements involving addition (+),	Solve simple problems	Recognise, name and describe the properties of	Know the name of the day before or after
within 100, starting from	subtraction (–) and equals (=)	sharing, using objects,	common 3-D shapes including cones and spheres	a given day Solve simple measure problems in a
Read and write numbers	problems involving single-digit	pictorial representations	Solve simple problems involving shapes	practical context using standardised units
from 1 to 100 in	numbers	and arrays	Compare and sort common 2-D and 3-D shapes and everyday objects on the basis of their geometric	Compare and order lengths, mass,
numerals, and up to 20 in words (not necessarily	addition and subtraction	multiplication and	properties including vertices, sides, edges, faces	using greater than (>), less than (<) and
spelled correctly)	Show that addition can be done in any	division facts for the 10	Identify lines of symmetry in a vertical line of 2-D	equals (=)
Use the place value of each digit to order	order (commutative)	using the appropriate	snapes Identify 2-D shapes on the surface of 3-D shapes	relationships such as twice as long, 10
numbers to 100	subtraction facts for all numbers up to	signs (×, ÷ and =)	Solve problems involving shapes and reason about	times as high
Know the number that is	10 fluently	Begin to recall and use	their properties	Choose and use appropriate standard units to estimate and measure length/
any number up to 100	and subtracting multiples of 10 within	division facts for the 2	All aspects of geometry – properties of shape at the national standard are embedded	height in any direction (m/cm); mass (kg/
Use the language of least	100	and 5 multiplication	Compare and sort common 2-D and 3-D shapes and	g); temperature (°C); capacity (litres/ml) to the nearest labelled unit using rulers.
Identify and represent	Begin to recall addition and subtraction facts to 20	signs	common objects, using more than 1 criterion,	scales, thermometers and measuring
structured apparatus and	Add and subtract numbers mentally,	Begin to solve simple	Reason about and solve more complex problems	vessels Recognize and use the symbols for
number lines	including:	problems involving	involving shapes and their properties	pounds (£) and pence (p); combine
Use place value and number facts to solve	a 2-digit number and 10s	division	Geometry - position and direction	amounts to make a particular value
simple problems	2 simple, 2-digit numbers, which do not	Recognise odd and even	Respond to and use terms such as first, second and third	equal the same amounts of money
Read and write numbers	involve bridging a 10	numbers to at least 100.	Describe position, directions and movement for	Compare and order intervals of time
numerals and words	adding 3 single-digit numbers	particular number is odd	whole and half turns	Recognise, tell and write the times:
Count in steps of 2 and 5	Add and subtract numbers using objects, pictorial representations and the written	or is even	Describe position, directions and movement, including whole, half, guarter and three-guarter turns	begin to recognise quarter to the hour
forwards and backwards	columnar methods including:	Make connections between multiplication	Solve simple problems involving position and	Draw hands on a clock to show the time
Count in multiples of 3 to	a 2-digit number and 10s	and division by 2 and	direction	Solve problems involving money of the
Use place value to	simple cases of subtracting 2-digit	doubling and halving and use these to reason	objects in patterns and sequences	same unit, including giving change, and
compare and order	numbers	about problems and	Use mathematical vocabulary to describe position,	All aspects of measurement at the
numbers up to 100 sometimes using less	adding 3 single-digit numbers	calculations	direction and movement, including movement in a straight line; distinguish between rotation as a turn	national standard are embedded
than (<), equals (=) and	Recognise and use the inverse relationship between addition and	Show that multiplication of 2 numbers can be	and in terms of right angles for quarter, half and	Find all possible combinations of coins to equal a given amount or how to pay a
greater than (>) signs correctly	subtraction and use this to check	done in any order	three-quarter turns (clockwise and anti-clockwise)	given amount using the fewest possible
Identify and represent	 calculations and solve missing number problems at least involving a 2-digit 	(commutative)	Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100'	number of coins
numbers using different	number and 1s or 10s	multiplication as	All aspects of geometry – position and direction at	and 24 hours in a day and use these facts
including the number	Solve simple 2-step problems with	repeated addition	the national standard are embedded	to solve problems
line Researchaut stars	increasing knowledge of mental and	All aspects of number – multiplication and	Order and arrange combinations of mathematical objects in more complex patterns and sequences	draw hands on a clock face to show these
value and number facts	written methods	division at the national	Solve more complex problems involving position	times Solve more complex and last
and use them to solve	Snow that subtraction can't be done in any order	standard are embedded	and direction	money and other measures, including
All aspects of number	All aspects of number - addition and	multiplication and	Statistics	time
and place value at the	subtraction at the national standard are embedded	division facts for the 2, 5	properties	Reason about multiplicative relationships between specific measured quantities
national standard are embedded	Recall and use addition and	tables and write	Answer simple questions by counting the number of	drawing on knowledge of 2, 5 and 10
Demonstrate fluency and	subtraction facts to 20 fluently; derive	mathematical statements	ODJECTS IN a Category	tables and knowledge of fractions
reasoning in counting	beyond	using the multiplication (x), division (÷) and	picture is worth 1 unit	Key:
in steps of 2, 5 and 10	Add and subtract numbers mentally using	equals (=) signs	Interpret simple tally charts and block diagrams	Pupils working below national
including from different starting points and using	2 2-digit numbers	Count in 3s to solve	Ask and answer questions that require counting the	standard
numbers beyond 100	adding /subtracting several single-digit	multiplication and division problems for the	Interpret and construct simple pictograms, tally	Pupils working
Consistently use less	numbers	3 multiplication table	charts, block diagrams and simple tables	standard
greater than (>) signs	pictorial representations and the written	Solve more complex	Ask and answer simple questions that require	Pupils working
correctly when	columnar method including:	multiplication and	comparing simple categorical data	at national www.PrimaryTools.co.u
comparing numbers and expressions	adding several 2-digit numbers	division in a range of	All aspects of statistics at the national standard are	Pupils working DRAFT: 2016
Identify and represent	adding a 2-digit numbers	measures	embedded	at mastery Mathematics
numbers using different	number	Make connections	symbols show many to one correspondence), block	Standard Key Stage 1
including more complex	adding 3-digit numbers	between place value and	diagrams (where the scale is divided into 2s or 5s)	main criteria assessment
number lines	Solve missing number problems	10 and use known	Use more complex charts to ask and answer	Text not in bold in performance
about place value and	Use addition and subtraction facts to	multiplication and	questions by reading from the chart the number of	a pale background descriptors
number facts to solve	solve more complex problems, such as	others	objects in each category, sorting the categories by guantity, totalling and comparing categorical data	© 2015 PrimaryTools co uk
more complex problems			, and comparing outogoriour adtu	© 2015 Filliary 10015.00.UK