

## 2018 National Curriculum Tests Key Stage 1

### Guidance for the use of this document

The following document has been designed to support Year Two teachers with teacher assessment at the end of KS1.

The test paper questions have been matched to the interim teacher assessment framework statements. If teachers feel that more evidence is required for a child for a specific statement, it may be possible to use the identified questions from the test papers towards this.

The columns in the document are as follows:

A	B	C	D	E
1	$8 + 6 = \square$	WT4	2C1	<i>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</i>
2	$12 - 7 = \square$	WT4	2C1	<i>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</i>

**A:** Question number

**B:** Question content

**C:** Statement from the interim teacher assessment framework (WT = working towards the expected standard; EX = working at the expected standard; GD = working at greater depth within the expected standard). The numbers refer to the bullet points reading down from the top. Where N/A is used, the content is not referenced within the interim teacher assessment framework statements.

**D:** Content domain - this is used by the test developers to ensure that appropriate content is being covered. In column D, the first number refers to the year group, e.g. 1 for Year 1 or 2 for Year 2. The letter refers to the strand: N is number and place value; C is calculation; F is fractions; M is measurement; G is geometry; P is position and direction; S is statistics. The last number refers to the sub strand / objective within each strand. So 2C1 refers to Year 2 content for calculations and is the first objective within this.

**E:** Content domain - the description of the coding used in column D.

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### Paper 1: Arithmetic

1	$2 + 7 = \square$	N/A	1C2a	Add and subtract one-digit and two-digit numbers to 20, including zero
2	$37 + 5 = \square$	N/A	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones
3	$10 + 20 = \square$	N/A	2C1	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
4	$18 - 8 = \square$	WT5	1C2a	Add and subtract one-digit and two-digit numbers to 20, including zero
5	$88 - 4 = \square$	WT5	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones
6	$3 \times 10 = \square$	EX6	2C6	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
7	$\frac{1}{2}$ of 6 = $\square$	WT6	1F1a	Recognise, find and name a half as one of two equal parts of an object, shape or quantity
8	$3 + 30 + 3 = \square$	N/A	2N1/2C2b	Count in steps 2, 3, and 5 from 0, and in tens from any number, forward or backward Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones
9	$6 \times 10 = \square$	EX6	2C6	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
10	$100 - 10 = \square$	WT2	2N1/2N6	Count in steps 2, 3, and 5 from 0, and in tens from any number, forward or backward Use place value and number facts to solve problems
11	$4 + 81 = \square$	WT5	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones
12	$7 \times 2 = \square$	EX6	2C6	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
13	$\square + 8 = 20$	EX5	1C4	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$
14	$54 + 22 = \square$	EX2	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers
15	$8 \div 2 = \square$	EX6	2C6	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
16	$63 - 4 = \square$	GD3	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones
17	$54 - 20 = \square$	WT5	2N6/2C2b	Use place value and number facts to solve problems Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and tens
18	$99 + 10 = \square$	WT2	2N1/2N6	Count in steps 2, 3, and 5 from 0, and in tens from any number, forward or backward Use place value and number facts to solve problems
19	$67 + 33 = \square$	EX2	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers
20	$59 - 15 = \square$	EX4	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers
21	$17 + 48 = \square$	EX2	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers
22	$\frac{1}{4}$ of 24 = $\square$	EX7	2F1a	Recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity

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### Paper 1: Arithmetic (*continued*)

23	$98 - \square = 28$	EX5	2C3	<i>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems</i>
24	$120 \div 10 = \square$	EX6	2C6/1N1b	<i>Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Count in multiples of twos, fives and tens</i>
25	$74 - 47 = \square$	GD3	2C2b	<i>Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers</i>

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### Paper 2: Reasoning

Oral questions	1	20 add 2 add 2	WT2	1N1b	Count in multiples of twos, fives and tens
	2	Identify number given as tens and ones	WT1	2N3/1N2a	Recognise the place value of each digit in a two-digit number (tens and ones) Count, read and write numbers to 100 in numerals
	3	Identify shaded section of circle ( <i>one third</i> )	EX7	2F1a	Recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity
	4	Calculate difference between two numbers ( <i>in context</i> )	N/A	2C4	Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods
	5	Solve missing number multiplication problem	EX6	2C8	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
6	Order objects from tallest to shortest	N/A	1M1	Compare, describe and solve practical problems for lengths and heights [e.g. long/short, longer/shorter, tall/short, double/half]	
7	Identify shapes used in picture	WT7	1G1a	Recognise and name common 2-D shapes [e.g. rectangles (including squares), circles and triangles]	
8	Shade given fraction of shape ( <i>three quarters</i> )	EX7	2F1a	Recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity	
9	Use ordinal numbers to identify object	N/A	1P2	Describe position, directions and movement, including half, quarter and three-quarter turns	
10	Solve multiplication problem ( <i>in context</i> )	WT2/EX6	2N6	Use place value and number facts to solve problems	
11	Identify longest time duration (mixed hours and minutes)	N/A	2M4b	Compare and sequence intervals of time	
12	Solve addition problem ( <i>in context</i> )	WT5	2C4	Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods	
13	Use representation of tens and ones to identify number	N/A	1N4	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most and least	
14	Solve problem using information from pictogram	N/A	2S2b	Ask and answer questions about totalling and comparing categorical data	
15	Create multiplication calculation to match given picture	EX6	2C7/2C6	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $\times$ ), division ( $\div$ ) and equals ( $=$ ) signs Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers	
16	Solve division problem ( <i>in context</i> )	EX6	1C8	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher	
17	Identify the shape without a line of symmetry	EX11	2G2a	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line	
18	Identify coins to make a given total ( <i>counting in twos</i> )	WT2/EX8	2C8/2M3b	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts Find different combinations of coins that equal the same amounts of money	
19	Complete multiplication/division calculations ( <i>fact families</i> )	EX6	2C9b	Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot	

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### Paper 2: Reasoning *(continued)*

20	Identify marked point on number line	GD10	2N4	<i>Identify, represent and estimate numbers using different representations, including the number line</i>
21	Identify number of minutes in one hour <i>(in context)</i>	N/A	2M4c	<i>Know the number of minutes in an hour and the number of hours in a day</i>
22	Complete addition calculations with given numbers	EX2/GD1	2C1/2C2b	<i>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones; two two-digit numbers</i>
23	Identify coins to make given amount following subtraction	EX8	2M9/2M3a	<i>Solve simple problems in a practical context involving addition and subtraction of money of the same unit including giving change Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</i>
24	Solve multi-step problem <i>(in context)</i>	GD6	2C8/2M9	<i>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts Solve simple problems in a practical context involving addition and subtraction of money of the same unit including giving change</i>
25	Solve subtraction problem <i>(in context)</i>	GD3	2M9	<i>Solve simple problems in a practical context involving addition and subtraction of money of the same unit including giving change</i>
26	Identify pattern and give next term in sequence	WT2/EX6	2N1	<i>Count in steps 2, 3, and 5 from 0, and in tens from any number, forward or backward</i>
27	Calculate difference shown on two thermometers	GD10	2M2	<i>Choose and use appropriate standard units to estimate and measure length / height in any direction (m / cm); mass (kg / g); temperature (°C); capacity (litres / ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels</i>
28	Complete missing number addition problem	GD1	2C4	<i>Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods</i>
29	Draw a rectangle to given dimensions	N/A	2M2/1G1a	<i>Choose and use appropriate standard units to estimate and measure length / height in any direction (m / cm); mass (kg / g); temperature (°C); capacity (litres / ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels Recognise and name common 2-D shapes [e.g. rectangles (including squares), circles and triangles]</i>
30	Solve multi-step problems <i>(in context)</i>	GD6	2C8/2C4	<i>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods</i>
31	Solve complex missing number problem	GD4	2C4	<i>Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods</i>
32	Solve missing number problem to given criteria	GD4	2C3/2C4	<i>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods</i>