

2022 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 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. These questions alone do not indicate that the child has met the statement.

The columns in the document are as follows:

A	B	C	D	E
1	$9 - 3 = \square$	EX4	2C1/1C2a	<i>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract one-digit and two-digit numbers to 20, including zero</i>
2	$5 + 10 + 5 = \square$	N/A	1N1b	<i>Count in multiples of twos, fives and tens</i>

A: Question number

B: Question content

C: Statement from the 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 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	$3 + 7 = \square$	WT4 / EX4	1C2a/2C1	Add and subtract one-digit and two-digit numbers to 20, including zero Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
2	$100 - 1 = \square$	N/A	1N2b/1N1a	Given a number, identify one more and one less Count to and across 100, forward and backwards, beginning with 0 or 1, or from any given number
3	$33 + 10 = \square$	WT3	2N6/2C2a	Use place value and number facts to solve problems Add and subtract numbers mentally, including a two-digit number and tens
4	$19 - 3 = \square$	WT3	2C1/1C2a	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract one-digit and two-digit numbers to 20, including zero
5	$2 + 67 = \square$	WT3	2C2b/1N1a	Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones Count to and across 100, forward and backwards, beginning with 0 or 1, or from any given number
6	$2 \times 7 = \square$	EX5	2C6/1N1b	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Count in multiples of twos, fives and tens
7	$10 \times 5 = \square$	EX5	2C6/1N1b	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Count in multiples of twos, fives and tens
8	$30 + 50 = \square$	WT3	2C1/2N6	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Use place value and number facts to solve problems
9	$41 - 10 = \square$	WT3	2N6/2C2a	Use place value and number facts to solve problems Add and subtract numbers mentally, including a two-digit number and tens
10	$15 \div 5 = \square$	EX5	2C6/1N1b	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Count in multiples of twos, fives and tens
11	$31 + 46 = \square$	EX3	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers
12	$\frac{1}{2}$ of 80 = \square	EX6	2F1a/1F1b	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 Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity
13	$67 - 40 = \square$	WT3	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
14	$8 + \square + 4 = 17$	N/A	2C3/1C4	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$
15	$100 \div 10 = \square$	EX5	2C6/1N1b	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Count in multiples of twos, fives and tens
16	$58 + 32 = \square$	EX3	2C2b	Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers
17	$45 + 16 = \square$	EX3	2C2b/2C2a	Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers Add and subtract numbers mentally, including two two-digit numbers
18	$\frac{1}{4}$ of 16 = \square	EX6	2F1a/1F1b	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 Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity
19	$60 + \square = 89$	N/A	2C3/2C2b	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and tens
20	$\square + 25 = 37$	N/A	2C3/2C2b	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers

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21	$54 - 15 = \square$	EX3	2C2b	<i>Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers</i>
22	$60 \div 5 = \square$	EX5	2C6/1N1b	<i>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Count in multiples of twos, fives and tens</i>
23	$92 - 85 = \square$	EX3	2C2b/2C2a	<i>Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers Add and subtract numbers mentally, including two two-digit numbers</i>
24	$\square - 50 = 50$	N/A	2C3/2N6	<i>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems Use place value and number facts to solve problems</i>
25	$66 - 38 = \square$	EX3	2C2b/2C2a	<i>Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers Add and subtract numbers mentally, including two two-digit numbers</i>

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Paper 2: Reasoning

Oral questions	1	Solve addition problem (<i>in context</i>)	WT3	2C4/1C2a	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 Add and subtract one-digit and two-digit numbers to 20, including zero
	2	Write a number to given criteria (two-digit/even/less than)	N/A	2N6/2C6	Use place value and number facts to solve problems Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
	3	Identify the number that is one less	N/A	1N2b	Given a number, identify one more and one less
	4	Read quarter to time	EX8	2M4a	Tell and write the time to five minutes, including quarter past / to the hour and draw the hands on a clock face to show these times
	5	Solve addition problem (<i>in context</i>)	WT3	1C4/1C2a	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ Add and subtract one-digit and two-digit numbers to 20, including zero
6	Match the labels to the correct part of the date	N/A	1M4c	Recognise and use language relating to dates, including days of the week, weeks, months and years	
7	Order numbers from smallest to largest	N/A	2N2b	Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs	
8	Solve addition problem (<i>in context</i>)	WT3	2C4/2C2b	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 Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones	
9	Draw lines to divide shape into quarters	EX6	1F1b	Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity	
10	Solve addition problem: adding three numbers (<i>in context</i>)	N/A	2N6/2C1	Use place value and number facts to solve problems Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	
11	Identify matching properties of shape	EX9	2G2a	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line	
12	Identify pair of numbers to match a given total	EX4	2C1/1C2a	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract one-digit and two-digit numbers to 20, including zero	
13	Count in threes (<i>in context</i>)	N/A	1M2/1M1/ 2N1	Measure and begin to record lengths and heights. Compare, describe and solve practical problems for lengths and heights [e.g. long / short, longer / shorter, tall / short, double / half] Count in steps 2, 3, and 5 from 0, and in tens from any number, forward or backward	
14	Complete sequence counting on and back in fives / threes	WT5	2N1	Count in steps 2, 3, and 5 from 0, and in tens from any number, forward or backward	
15	Match the measurements to the correct unit	N/A	2M2	Choose and use appropriate standard units to estimate and measure length / height in any direction (m / cm); mass (kg / g); temperature ($^{\circ}$ C); capacity (litres / ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels	
16	Partition numbers into tens and ones	WT2	2N3	Recognise the place value of each digit in a two-digit number (tens and ones)	

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Paper 2: Reasoning *(continued)*

17	Complete calculations with given numbers	N/A	2C3/1C2b	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs
18	Solve division problem <i>(in context)</i>	N/A	2C8/2C6	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
19	Identify purses with the same amount of money	EX7	2M3b/1M3	Find different combinations of coins that equal the same amounts of money Recognise and know the value of different denominations of coins and notes
20	Identify calculation with the largest answer (+ and –)	N/A	2C1/1C2a	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract one-digit and two-digit numbers to 20, including zero
21	Identify line of symmetry in shapes	EX9	2G2a	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
22	Solve multiplication problem <i>(in context)</i>	EX5	2C8/1C8	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts 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
23	Select numbers to complete a subtraction calculation	N/A	2N6/2C1	Use place value and number facts to solve problems Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
24	Solve multiplication problem <i>(in context)</i>	EX5	2C8	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
25	Solve division problem <i>(in context)</i>	N/A	2C8/2N1	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts Count in steps 2, 3, and 5 from 0, and in tens from any number, forward or backward
26	Solve multi-step addition problem <i>(in context)</i>	GD4	2C4/2C2b	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 Add and subtract numbers using concrete objects and pictorial representations, including two two-digit numbers
27	Complete number sentences in pattern	N/A	2C2b/2N1	Add and subtract numbers using concrete objects and pictorial representations, including a two-digit number and ones Count in steps 2, 3, and 5 from 0, and in tens from any number, forward or backward
28	Solve multi-step addition and subtraction problem <i>(in context)</i>	GD4	2M9/1M3	Solve simple problems in a practical context involving addition and subtraction of money of the same unit including giving change Recognise and know the value of different denominations of coins and notes
29	Find three quarters of an amount <i>(in context)</i>	EX6	2F1a/2C8	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 Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
30	Interpret information in table to solve problem	N/A	2S2b	Ask and answer questions about totalling and comparing categorical data

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Paper 2: Reasoning (*continued*)

31	Solve multiplication problem including inverse	EX5	2C8/2C6	<i>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</i>
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