Summer Test 4

Teacher guidance

Skills and knowledge needed for this test:

- Addition and subtraction of numbers with different numbers of digits, including decimals
- Addition and subtraction of fractions with multiples of the same denominator
- Multiplication and division to 12 × 12 including derivatives of multiples of 100
- Multiplication of three numbers
- Multiplication by 0; multiplication and division by 1; square and cube numbers
- Multiplication of up to four digits by a single-digit or a two-digit number
- Division of a four-digit number by a single-digit number, including with remainders
- Multiplication and division of whole numbers or decimals by 10, 100 or 1000
- Finding fractions of amounts
- Missing number statements with all four operations

New: Complements of 1

A teaching suggestion

Step 1 Review the number story of 10, rapping it.

Step 2 Demonstrate how this gives us the number bonds (or complements) for 1.

0 + 1 = 1	0.6 + 0.4 = 1
0.1 + 0.9 = 1	0.7 + 0.3 = 1
0.2 + 0.8 = 1	0.8 + 0.2 = 1
0.3 + 0.7 = 1	0.9 + 0.1 = 1
0.4 + 0.6 = 1	1 + 0 = 1
0.5 + 0.5 = 1	

Step 3 Sing the number story (you can use the tune 'The Grand Old Duke of York' and sing 'Point one add to point nine, point two add to point eight', etc.)

Step 4 Play: 'I am thinking of complements of one. One of the numbers I am thinking of is zero point four. What is the other?'. Repeat with other numbers.

Step 5 Play 'Complement Bingo'. Each child writes four numbers from the number story on a white board. You call out a number and, if they have the number bond, they cross it out (e.g. if you call out 0.3, they can cross out 0.7). The first child to cross out all their numbers is the winner.

Question number	Question	Answer	Marks	Related test
1	$9 \times 1 = \square$	9	1	Y4 Autumn Test 6
2	$\square \div 5 = 3$	15	1	Y4 Autumn Test 3
3	$\square = 6 \times 0$	0	1	Y4 Autumn Test 4
4	$\square = 30 \times 10$	300	1	Y5 Autumn Test 5
5	$84 \div 12 = \square$	7	1	Y4 Summer Test 2
6	$\square^2 = 81$	9	1	Y5 Autumn Test 4
7	$\frac{1}{2} - \frac{1}{10} = \square$	$\frac{4}{10}$ (or equiv)	1	Y5 Spring Test 6
8	$0.4 + \square = 1$	0.6	1	Y5 Summer Test 4
9	$4^3 = \square$	64	1	Y5 Spring Test 1
10	$\square = \frac{3}{8}$ of 40	15	1	Y5 Summer Test 3
11	$1 = 0.7 + \square$	0.3	1	Y5 Summer Test 4
12	$7149 \times 4 = \square$	28 596	1	Y5 Spring Test 3
13	$63 + \square = 421$	358	1	Y5 Spring Test 4, Y3 Autumn Test 1
14	$815 \div 7 = \square$	116 r3	1	Y5 Autumn Test 6
15	$1 - \square = 0.2$	0.8	1	Y5 Summer Test 4
16	$902 - 459 = \square$	443	1	Y5 Autumn Test 3
17	$26 + 3829 = \square$	3855	1	Y5 Spring Test 4
18	$\square = 64.3 + 8.2$	72.5	1	Y5 Summer Test 1
19	$1.72 \div 100 = \square$	0.0172	1	Y5 Spring Test 2
20	$6315 \div 5 = \square$	1263	1	Y5 Spring Test 5
21	$\square = \frac{7}{10}$ of 400	280	1	Y5 Summer Test 3
22	$35 \times 23 = \square$	805	2*	Y5 Summer Test 2
23	$\frac{1}{9} + \frac{4}{90} = \square$	$\frac{14}{90}$ (or equiv)	1	Y5 Spring Test 6
24	$\square = 9134 - 56$	9078	1	Y5 Spring Test 4
25	$8 \times 14 \times 5 = \square$	560	1	Y4 Summer Test 3
26	$289 + 35.1 = \square$	324.1	1	Y5 Summer Test 1
27	$3252 = 6 \times \square$	542	1	Y5 Spring Test 5, Y4 Autumn Test 3
28	$197 \times 58 = \square$	11 426	2*	Y5 Summer Test 2
	Total marks		**30**	

* award 1 mark if there is one error in the working