Spring Test 4

Teacher guidance

Skills and knowledge needed for this test:

- Addition and subtraction of two four-digit numbers crossing column boundaries
- Addition and subtraction of fractions with the same denominator, within 1
- Missing number statements with all four operations
- Multiplication and division by 1, 2, 3, 4, 5, 8, 9, 10 and 11 including deriving multiples of 10
- Multiplication by 0
- Multiplication of three numbers
- Formal written method for short multiplication and short division
- Find a half, a third, a quarter, two quarters or three quarters of an amount

New: The six times table

A teaching suggestion

Step 1 Count in sixes, forwards and backwards, using a number line and circling the numbers.

Step 2 Compare the six times, three times and two times tables, emphasising that numbers in the six times table are in both the other tables because $2 \times 3 = 6$.

Step 3 Write out the three times table and double each answer. Discuss and compare and then agree that this is the six times table. Discuss how the children could use their knowledge of the three times table to work out facts in the six times table (e.g. $3 \times 4 = 12$, which doubles to 24, so $6 \times 4 = 24$).

Step 4 Sing or rap the six times table.

Step 5 Use call and response games for multiplication fact recall, for example:

'6 × 7 you know it well,
6 × 7 you've got to tell.'
(Children shout: 'It's 42!')

Step 6 Use call and response games for division fact recall, for example:

'36 can be made with sixes.
How many sixes? Give me no mixes!'
(Children shout: 'It's 6!')

Step 7 When the children are competent, mix up questions about different tables they know.

Question number	Question	Answer	Marks	Related test
1	$5 \div 1 = \square$	5	1	Y4 Autumn Test 6
2	$\frac{1}{3}$ of $18 = \square$	6	1	Y2 Summer Test 5
3	$\square = 120 \times 0$	0	1	Y4 Autumn Test 4
4	$68 \times 1 = \square$	68	1	Y4 Autumn Test 6
5	$\frac{3}{10} + \frac{6}{10} = \square$	$\frac{9}{10}$	1	Y3 Spring Test 6
6	$6 \times 3 = \square$	18	1	Y4 Spring Test 4, Y3 Spring Test 1
7	$\square = 70 \times 2$	140	1	Y3 Spring Test 2, Y2 Spring Test 1
8	$8 \times 9 = \square$	72	1	Y4 Spring Test 2, Y3 Summer Test 3
9	$242 = 542 - \square$	300	1	Y3 Autumn Test 1, Y3 Summer Test 1
10	$450 \div 9 = \square$	50	1	Y4 Spring Test 2, Y3 Spring Test 2
11	$61 - 46 = \square$	15	1	Y3 Autumn Test 3
12	$\square = 30 \div 6$	5	1	Y4 Spring Test 4
13	$576 + 267 = \square$	843	1	Y3 Summer Test 1
14	$6 \times 7 \times 5 = \square$	210	1	Y3 Summer Test 5
15	$45 + 76 = \square$	121	1	Y3 Summer Test 2
16	$652 - \square = 355$	297	1	Y3 Autumn Test 1, Y3 Summer Test 1
17	$\square + 46 = 94$	48	1	Y3 Autumn Test 1, Y3 Autumn Test 3
18	$24 \times 8 = \square$	192	1	Y4 Autumn Test 1, Y3 Summer Test 3
19	$90 \div 6 = \square$	15	1	Y4 Autumn Test 2, Y4 Spring Test 4
20	$3752 + 2654 = \square$	6406	1	Y4 Spring Test 1
21	$95 \div \square = 5$	19	1	Y4 Autumn Test 2, Y4 Autumn Test 3
22	$6742 - 3855 = \square$	2887	1	Y4 Spring Test 3
		Total marks	**22**	