Summer Test 3

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
- Missing number statements with all four operations
- Multiplication and division by 1 to 12 including deriving multiples of 10
- Multiplication by 0
- Multiplication of three numbers
- Formal written method for short multiplication (to HTO) and short division (to TO)
- Find a half, a third, a quarter, two quarters or three quarters of an amount

New: Multiplication of three numbers (to TO)

A teaching suggestion

Step 1 Display $4 \times 45 \times 5$.

Step 2 Work through the calculation in order. First write 4×45 in columns and use the formal written method to get the answer 180. Then write 180 x 5 in columns and use the formal written method to get the answer 900.

Step 3 Now rearrange the numbers, so $4 \times 45 \times 5 = 4 \times 5 \times 45$. Explain you have done this because 4 x 5 is a simple calculation.

Step 4 Now $4 \times 5 \times 45 = 20 \times 45$. Point out that, if the children can double 45, they can do this mentally: $2 \times 45 = 90$, so $20 \times 45 = 900$.

Step 5 Complete similar examples, asking the children to identify which pair of numbers it would be best to multiply first.

Question number	Question	Answer	Marks	Related test
1	$\square = 236 + 60$	296	1	Y3 Autumn Test 6
2	$43 \times 1 = \square$	43	1	Y4 Autumn Test 6
3	$\frac{6}{7} - \frac{3}{7} = \square$	$\frac{3}{7}$	1	Y3 Spring Test 6
4	$\frac{2}{4}$ of $12 = \square$	6	1	Y3 Autumn Test 4
5	$21 \div 1 = \square$	21	1	Y4 Autumn Test 6
6	$\square = 7 \times 5$	35	1	Y4 Spring Test 6, Y2 Spring Test 5
7	$250 \div \square = 5$	50	1	Y4 Autumn Test 3, Y3 Spring Test 2
8	$504 \times 0 = \square$	0	1	Y4 Autumn Test 4
9	$76 - \square = 35$	41	1	Y3 Autumn Test 1, Y3 Autumn Test 3
10	$74 + 69 = \square$	143	1	Y3 Summer Test 2
11	$81 \div 3 = \square$	27	1	Y4 Autumn Test 2, Y3 Spring Test 1
12	$110 \times 10 = \square$	1100	1	Y4 Autumn Test 5, Y3 Spring Test 2
13	$\square = 5 \times 3 \times 6$	90	1	Y3 Summer Test 5
14	$27 \times 4 = \square$	108	1	Y4 Autumn Test 1, Y3 Spring Test 4
15	$\frac{3}{9} + \frac{6}{9} = \square$	$\frac{9}{9}$ or 1	1	Y4 Spring Test 5
16	$256 \times 2 = \square$	512	1	Y4 Summer Test 1, Y2 Spring Test 1
17	$1323 + 6787 = \square$	8110	1	Y4 Spring Test 1
18	$564 - 187 = \square$	377	1	Y3 Summer Test 1
19	$2 \times \square = 76$	38	1	Y4 Autumn Test 2, Y4 Autumn Test 3
20	$108 \div 12 = \square$	9	1	Y4 Summer Test 2
21	$458 \times 6 = \square$	2748	1	Y4 Spring Test 4, Y4 Summer Test 1
22	$\square = 2 \times 56 \times 5$	560	1	Y4 Summer Test 3
23	$5000 - 2341 = \square$	2659	1	Y4 Spring Test 3
24	$\square \div 7 = 23$	161	1	Y4 Autumn Test 1, Y4 Autumn Test 3
25	$5 \times 45 \times 4 = \square$	900	1	Y4 Summer Test 3
		Total marks	**25**	