Spring Test 5

28 minutes

Teacher guidance

Skills and knowledge needed for this test:

- Addition and subtraction of two numbers with different numbers of digits
- Addition and subtraction of fractions with 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
- Short multiplication of up to four digits by a single-digit number
- Short division (to TO), including with remainders
- Multiplication and division of whole numbers or decimals by 10, 100 or 1000
- Missing number statements with all four operations

New: Division of a four-digit number by a single-digit number

A teaching suggestion

Step 1 The children are already familiar with TO ÷ O (see Y4 Autumn Test 2). Display 6745 ÷ 5 and then set out the sum for formal division.

$$5 \overline{)\,6\;7\;4\;5}$$

Step 2 First ask: 'How many 5 (thousands) in 6 (thousands)?' Agree that 6 (thousands) have one group of 5 (thousand) and 1 (thousand) left over. Write this in, demonstrating where to write the digit in the thousands column and the remainder in the hundreds column.

Step 3 Now ask: 'How many 5 (hundreds) in 17 (hundreds)?' Agree that there are three groups of 5 (hundred) and 2 (hundred) left over. Continue until the sum is completed.

$$\begin{array}{r} 1\;3\;4\;9 \\ 5 \overline{)\;6\;{}^{1}7\;{}^{2}4\;{}^{4}5} \end{array}$$

Step 4 Complete lots of examples with the children, including some with remainders. Encourage them to work with a partner before trying the work independently.

Question number	Question	Answer	Marks	Related test
1	$12 \times 0 = \square$	0	1	Y4 Autumn Test 4
2	$\square = 63 \div 9$	7	1	Y4 Spring Test 2
3	$3^2 = \square$	9	1	Y5 Autumn Test 4
4	$4000 \div 10 = \square$	400	1	Y5 Autumn Test 5
5	$621 - 350 = \square$	271	1	Y4 Spring Test 3
6	$\square = 15 \div 1$	15	1	Y4 Autumn Test 6
7	$56 = \square \times 7$	8	1	Y4 Autumn Test 3, Y4 Spring Test 6
8	$\frac{15}{10} - \frac{1}{10} = \square$	$1\frac{4}{10}$ (or equiv)	1	Y5 Autumn Test 2
9	$76.4 \div 100 = \square$	0.764	1	Y5 Spring Test 2
10	$4^3 = \square$	64	1	Y5 Spring Test 1
11	$635 - 82 = \square$	553	1	Y5 Spring Test 4
12	$\square \div 8 = 125$	1000	1	Y4 Autumn Test 3, Y4 Summer Test 1
13	$1453 \times 4 = \square$	5812	1	Y5 Spring Test 3
14	$396 = \square - 185$	581	1	Y4 Spring Test 1, Y3 Autumn Test 1
15	$64 \div 3 = \square$	21 r1	1	Y5 Autumn Test 6
16	$\square = 12 \times 500$	6000	1	Y4 Summer Test 2, Y4 Summer Test 5
17	$7852 \div 2 = \square$	3926	1	Y5 Spring Test 5
18	$8 \times 5 \times 26 = \square$	1040	1	Y4 Summer Test 3
19	$7002 - 2304 = \square$	4698	1	Y5 Autumn Test 3
20	$90 \div 7 = \square$	12 r6	1	Y5 Autumn Test 6
21	$7328 - 79 = \square$	7249	1	Y5 Spring Test 4
22	$342 + \square = 911$	569	1	Y4 Spring Test 3, Y3 Autumn Test 1
23	$\square = 63.4 \times 100$	6340	1	Y5 Spring Test 2
24	$8845 \div 5 = \square$	1769	1	Y5 Spring Test 5
25	$4348 \times 9 = \square$	39 132	1	Y5 Spring Test 3
26	$\square^2 = 25$	5	1	Y5 Autumn Test 4
27	$63 + 2986 + 8 = \square$	3057	1	Y5 Spring Test 4
28	$4632 \div 6 = \square$	772	1	Y5 Spring Test 5
		Total marks	**28**	