Autumn Test 5

Teacher guidance

25 minutes

Skills and knowledge needed for this test:

- Addition and subtraction of two numbers up to four 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 numbers
- Formal written method for short multiplication (to HTO) and short division (to TO)
- Division of two-digit numbers by 10 or 100
- Missing number statements with all four operations

New: Multiplication and division of whole numbers by 10, 100 or 1000

A suggestion for teaching the multiplication of whole numbers by 10, 100 or 1000

Step 1 Display $4 \times 100 =$

Step 2 Explain that another way to say this is 4 hundreds, which is written as 400.

Step 3 Extend this to 54×100 is 54 hundreds, which is written as 5400.

Step 4 Apply the same logic for multiplying by 10 and 1000.

A suggestion for teaching the division of whole numbers by 10, 100 or 1000

Step 1 Display $85 \div 1000 =$

Step 2 Explain that another way to write $85 \div 1000$ is $\frac{85}{1000}$, where the line represents the division sign and the number says 'eighty-five thousandths'.

Step 3 Explain that another way to write eighty-five thousandths is to use a decimal point. Display HTO.t h th and explain that t stands for tenths, h for hundredths and th for thousandths. $\frac{85}{1000} = 0.085$

Step 4 Repeat with similar calculations (e.g. $6 \div 1000 = \frac{6}{1000} = 0.006$).

Question number	Question	Answer	Marks	Related test
1	$\square = \frac{1}{4}$ of 8	2	1	Y2 Summer Test 1
2	$17 \times 1 = \square$	17	1	Y4 Autumn Test 6
3	$\square \div 3 = 6$	18	1	Y4 Autumn Test 3, Y3 Spring Test 1
4	$361 + 254 = \square$	615	1	Y4 Spring Test 1
5	$\frac{7}{10} - \frac{4}{10} = \square$	$\frac{3}{10}$ (or equiv)	1	Y5 Autumn Test 2
6	$\square = 26 \times 0$	0	1	Y4 Autumn Test 4
7	$731 - 325 = \square$	406	1	Y4 Spring Test 3
8	$90 \div 6 = \square$	15	1	Y4 Autumn Test 2
9	$5^2 = \square$	25	1	Y5 Autumn Test 4
10	$24 = \square \times 2$	12	1	Y4 Autumn Test 3, Y2 Spring Test 1
11	$424 \times 3 = \square$	1272	1	Y4 Summer Test 1
12	$702 - 344 = \square$	358	1	Y5 Autumn Test 3
13	$1 \div 10 = \square$	0.1	1	Y5 Autumn Test 1
14	$6320 + 1993 = \square$	8313	1	Y4 Spring Test 1
15	$\square = 6^2$	36	1	Y5 Autumn Test 4
16	$\frac{4}{11} + \frac{10}{11} = \square$	$1\frac{3}{11}$ (or equiv)	1	Y5 Autumn Test 2
17	$5 \times 17 \times 4 = \square$	340	1	Y4 Summer Test 3
18	$62 \div 100 = \square$	0.62	1	Y5 Autumn Test 1
19	$7428 - 2848 = \square$	4580	1	Y4 Spring Test 3
20	$74 \times 100 = \square$	7400	1	Y5 Autumn Test 5
21	$4 \times \square = 92$	23	1	Y4 Autumn Test 2, Y4 Autumn Test 3
22	$2828 = \square - 4213$	7041	1	Y4 Spring Test 3, Y3 Autumn Test 1
23	$85 \div 10 = \square$	8.5	1	Y5 Autumn Test 1
24	$4000 - 1321 = \square$	2679	1	Y5 Autumn Test 3
25	$\square = 735 \div 1000$	0.735	1	Y5 Autumn Test 5
	Total marks		25	