Summer Test 1

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 multiples of the same denominator
- Multiplication and division to 12 × 12 including derivatives of multiples of 100
- Multiplication by 0; multiplication and division by 1; square and cube numbers
- Multiplication of three numbers
- Short multiplication of up to four digits by a single-digit number
- Short 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
- Missing number statements with all four operations

New: Addition and subtraction of whole numbers and mixed decimals

A teaching suggestion

Step 1 Review the addition of two whole numbers with a different number of digits. Establish that the ones need to be added together, then the tens and so on, so the numbers need to be in the correct columns.

Step 2 Display 4.65 + 56.4 and discuss how this needs to be set out. Establish that the tenths and ones each need to be added together, and so the numbers need to be in the correct columns. Note how the decimal points are lined up.

$$\begin{array}{r} 4.65 \\ +\ 56.4 \\ \hline \end{array}$$

To avoid confusion, fill in the gaps with zeros.

$$\begin{array}{r} 04.65 \\ +\ 56.40 \\ \hline \end{array}$$

Step 3 Work through the calculation, emphasising that you start at the right and work across to the left. Remind the children that, when the answer to a column is greater than one digit, the number is written with the first digit under the next column but so it still reads as the same number. Display the completed calculation, emphasising the position of the decimal point.

$$\begin{array}{r} 04.65 \\ \times\ 56.40 \\ \hline 61.05 \\ {\scriptstyle 1\ 1} \end{array}$$

Question number	Question	Answer	Marks	Related test
1	$2 \times 12 = \square$	24	1	Y4 Summer Test 2
2	$24 = 39 - \square$	15	1	Y3 Autumn Test 1, Y3 Autumn Test 3
3	$18 \div 1 = \square$	18	1	Y4 Autumn Test 6
4	$\square = 3000 \div 1000$	3	1	Y5 Autumn Test 5
5	$18 \times 0 = \square$	0	1	Y4 Autumn Test 4
6	$982 - 184 = \square$	798	1	Y4 Spring Test 3
7	$\frac{3}{5} + \frac{9}{5} = \square$	$2\frac{2}{5}$ (or equiv)	1	Y5 Autumn Test 2
8	$\frac{3}{4}$ of $44 = \square$	33	1	Y5 Autumn Test 4
9	$713 = \square + 421$	292	1	Y4 Spring Test 3, Y5 Autumn Test 1
10	$600 \times 4 = \square$	2400	1	Y4 Summer Test 5
11	$12^2 = \square$	144	1	Y5 Autumn Test 4
12	$\frac{1}{4} + \frac{3}{8} = \square$	$\frac{5}{8}$ (or equiv)	1	Y5 Spring Test 6
13	$94 \div 5 = \square$	18 r4	1	Y5 Autumn Test 6
14	$\square = 2 \times 622 \times 5$	6220	1	Y4 Summer Test 3
15	$3.4 + 2.65 = \square$	6.05	1	Y5 Summer Test 1
16	$\square \times 7 = 3934$	562	1	Y3 Spring Test 3, Y4 Autumn Test 3
17	$4982 \div 35 = \square$	5017	1	Y5 Spring Test 4
18	$9^3 = \square$	729	1	Y5 Spring Test 1
19	$\square = 60 \times 90$	5400	1	Y4 Summer Test 5
20	$732 - 48.1 = \square$	683.9	1	Y5 Summer Test 1
21	$6.132 \times 100 = \square$	613.2	1	Y5 Spring Test 2
22	$7328 \div 4 = \square$	1832	1	Y5 Spring Test 5
23	$3152 = \square - 5210$	8362	1	Y3 Autumn Test 1, Y4 Spring Test 1
24	$9000 - 3812 = \square$	5188	1	Y5 Autumn Test 3
25	$\frac{3}{5} - \frac{3}{15} = \square$	$\frac{7}{15}$ (or equiv)	1	Y5 Spring Test 6
26	$\square = 2930 - 861$	2069	1	Y5 Spring Test 4
27	$5687 \times 7 = \square$	39 809	1	Y5 Spring Test 3
28	$26.5 + 8.6 = \square$	35.1	1	Y5 Summer Test 1
29	$632 = \square + 9$	5688	1	Y4 Autumn Test 3, Y4 Summer Test 1
30	$8302 \div 7 = \square$	1186	1	Y5 Spring Test 5
		Total marks	**30**	