Spring Test 1

Teacher guidance

(22 minutes)

Skills and knowledge needed for this test:

- Addition and subtraction of two three-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, 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: Addition of two numbers up to four digits

A teaching suggestion

Step 1 Review the addition of two two-digit numbers where the answer is greater than 100, using columns for the written calculation, for example:

$$\begin{array}{r} 5\ 8 \\ +\ \ 7\ 9 \\ \hline 1\ 3\ 7 \\ \tiny{1\ \ 1} \end{array}$$

Step 2 Now display the calculation:

$$\begin{array}{r} 5\ 2\ 4\ 7 \\ +\ 2\ 6\ 8\ 5 \\ \hline \end{array}$$

Step 3 Work through the calculation, emphasising that you start with the ones and work left across the columns. Remind the children what to do when the answer to a column is a number with more than one digit (e.g. $7 + 5 = 12$, so put the 2 in the ones column and the 1 in the tens column under the line so that the answer still reads 12).

Step 4 Display the completed calculation:

$$\begin{array}{r} 5\ 2\ 4\ 7 \\ +\ 2\ 6\ 8\ 5 \\ \hline 7\ 9\ 3\ 2 \\ \tiny{1\ \ 1} \end{array}$$

Step 5 Work through lots of examples with the children, and then allow them to work with a partner before trying the calculations independently.

Question number	Question	Answer	Marks	Related test
1	$375 + 200 = \square$	575	1	Y3 Spring Test 3
2	$\square = 3 \times 5$	15	1	Y3 Spring Test 1, Y2 Spring Test 5
3	$7 \div 1 = \square$	7	1	Y4 Autumn Test 6
4	$2 \times 0 = \square$	0	1	Y4 Autumn Test 4
5	$66 \div 11 = \square$	6	1	Y4 Autumn Test 5
6	$\square = 73 \times 1$	73	1	Y4 Autumn Test 6
7	$\frac{1}{3}$ of $21 = \square$	7	1	Y2 Summer Test 5
8	$64 = \square \times 8$	8	1	Y4 Autumn Test 3, Y3 Summer Test 3
9	$\frac{4}{11} - \frac{2}{11} = \square$	$\frac{2}{11}$	1	Y3 Spring Test 6
10	$57 - 19 = \square$	38	1	Y3 Autumn Test 3
11	$7 \times 5 \times 4 = \square$	140	1	Y3 Summer Test 5
12	$\square + 34 = 65$	31	1	Y3 Autumn Test 1, Y2 Spring Test 4
13	$37 + 94 = \square$	131	1	Y3 Summer Test 2
14	$84 - 38 = \square$	46	1	Y3 Autumn Test 3
15	$\square = 80 \times 5$	400	1	Y3 Spring Test 2, Y2 Spring Test 5
16	$\frac{2}{4}$ of $32 = \square$	16	1	Y3 Autumn Test 4
17	$33 \times 5 = \square$	165	1	Y4 Autumn Test 1, Y2 Spring Test 5
18	$96 \div 4 = \square$	24	1	Y4 Autumn Test 2, Y3 Spring Test 4
19	$2735 + 2317 = \square$	5052	1	Y4 Spring Test 1
20	$86 \div \square = 2$	43	1	Y4 Autumn Test 2, Y4 Autumn Test 3
21	$\square \times 3 = 54$	18	1	Y4 Autumn Test 2, Y4 Autumn Test 3
22	$3465 + 2689 = \square$	6154	1	Y4 Spring Test 1
Total marks			**22**	