

# Spring Test 4

## Teacher guidance



### 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  $12 \times 12$  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 (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: Addition and subtraction of whole numbers with more than four digits (and different numbers of digits)

#### A teaching suggestion

**Step 1** Review the addition of two four-digit numbers using columns for the written calculation (e.g.  $1528 + 3379 = 4907$ ).

**Step 2** Display  $86\,457 + 855$  and discuss how to set this out. Establish that the ones need to be added together, then the tens and so on; therefore, the numbers need to be in the correct columns. Display this:

$$\begin{array}{r} 86457 \\ + \quad 855 \\ \hline \end{array}$$

**Step 3** Work through the calculation, emphasising that you start at the ones and work 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 underneath the next column, but so it still reads as the same number.

**Step 4** Display the completed calculation:

$$\begin{array}{r} 86457 \\ + \quad 855 \\ \hline 87312 \\ \quad 111 \end{array}$$

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

Question number	Question	Answer	Marks	Related test
1	$\square = 6 \times 11$	66	1	Y4 Autumn Test 5
2	$53 \times 1 = \square$	53	1	Y4 Autumn Test 6
3	$72 = \square + 33$	39	1	Y3 Autumn Test 1, Y3 Autumn Test 3
4	$1^2 = \square$	1	1	Y5 Autumn Test 4
5	$60 \times 10 = \square$	600	1	Y5 Autumn Test 5
6	$820 - 267 = \square$	553	1	Y4 Spring Test 3
7	$22 \times 0 = \square$	0	1	Y4 Autumn Test 4
8	$700 - 219 = \square$	481	1	Y5 Autumn Test 3
9	$11^2 = \square$	121	1	Y5 Autumn Test 4
10	$\square = 362 - 28$	334	1	Y5 Spring Test 4
11	$\frac{3}{7} + \frac{6}{7} = \square$	$1\frac{2}{7}$ (or equiv)	1	Y5 Autumn Test 2
12	$\square = 84 \div 7$	12	1	Y4 Spring Test 6
13	$6^3 = \square$	216	1	Y5 Spring Test 1
14	$5 \times 721 \times 2 = \square$	7210	1	Y4 Summer Test 3
15	$7136 \times 3 = \square$	21 408	1	Y5 Spring Test 3
16	$836 - \square = 428$	408	1	Y4 Spring Test 3, Y3 Autumn Test 1
17	$463.2 \div 100 = \square$	4.632	1	Y5 Spring Test 2
18	$\square^3 = 0$	0	1	Y5 Spring Test 1
19	$91 \div 5 = \square$	18 r1	1	Y5 Autumn Test 6
20	$6000 - 4121 = \square$	1879	1	Y5 Autumn Test 3
21	$50 \div 3 = \square$	16 r2	1	Y5 Autumn Test 6
22	$642 = \square \div 9$	5778	1	Y4 Autumn Test 3, Y4 Summer Test 1
23	$3629 + 84 = \square$	3713	1	Y5 Spring Test 4
24	$85 \div 6 = \square$	14 r1	1	Y5 Autumn Test 6
25	$414 = 6 \times \square$	69	1	Y4 Autumn Test 2, Y4 Autumn Test 3
26	$7.1 \times 1000 = \square$	7100	1	Y5 Spring Test 2
27	$2369 \times 7 = \square$	16 583	1	Y5 Spring Test 3
28	$\square = 364 + 25 + 3182$	3571	1	Y5 Spring Test 4
<b>Total marks</b>			<b>28</b>	