

Spring Test 5

Teacher guidance



Skills and knowledge needed for this test:

- Addition of three single-digit numbers
- Addition and subtraction of multiples of 10
- Addition and subtraction of a two-digit or a three-digit number and a single-digit number with and without crossing a ten
- Addition and subtraction of a two-digit or a three-digit number and a multiple of 10 or 100
- Addition and subtraction of two two-digit numbers with and without crossing a ten
- Missing number statements with all four operations
- Multiplication and division by 10, 5, 2, 3 and 4
- Derivatives of multiplication and division by 10, 5, 2, 3 and 4
- Finding a half, a third, a quarter, two quarters or three quarters of an amount

New: Formal written method for short multiplication

A teaching suggestion

Step 1 Display 24×3 . Start by partitioning 24 into 20 and 4.

Step 2 Multiply 3×20 and 3×4 , giving 60 and 12, and then add these to give 72.

Step 3 Explain that there is a quicker way to do this. Display:

$$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

Step 4 Emphasise that the digit 2 still represents 20, but that the 0 is hidden behind the 4.

Step 5 Explain that we work with the ones column first: 3×4 is 12, so we write the 12 putting the 1 in the tens column and the 2 in the ones column (so it still reads as 12).

$$\begin{array}{r} 24 \\ \times 3 \\ \hline 2 \\ 1 \\ \hline \end{array}$$

Step 6 Next multiply the tens by 3 (2×3), giving 6 tens. Then add the extra one, giving 7 tens. Write the answer 72.

Step 7 Do lots of examples with the children, let them work in pairs and, when they are confident, independently.

Question number	Question	Answer	Marks	Related test
1	$4 + 11 = \square$	15	1	Y1 Summer Test 1
2	$21 + 16 = \square$	37	1	Y3 Autumn Test 2
3	$\square - 5 = 8$	13	1	Y3 Autumn Test 1, Y1 Summer Test 1
4	$24 \div 3 = \square$	8	1	Y3 Spring Test 1
5	$\square = \frac{1}{3}$ of 15	5	1	Y2 Summer Test 5
6	$45 + 39 = \square$	84	1	Y3 Autumn Test 2
7	$375 + 4 = \square$	379	1	Y3 Autumn Test 6
8	$27 + \square = 68$	41	1	Y3 Autumn Test 1, Y3 Autumn Test 3
9	$\square \times 4 = 24$	6	1	Y3 Autumn Test 5, Y3 Spring Test 4
10	$\square = 641 - 300$	341	1	Y3 Spring Test 3
11	$120 \div \square = 40$	3	1	Y3 Autumn Test 5, Y3 Spring Test 2
12	$63 - 25 = \square$	38	1	Y3 Autumn Test 3
13	$\frac{3}{4}$ of 8 = \square	6	1	Y3 Autumn Test 4
14	$\square = 4 \times 80$	320	1	Y3 Spring Test 2, Y3 Spring Test 4
15	$91 - 63 = \square$	28	1	Y3 Autumn Test 3
16	$27 \times 3 = \square$	81	1	Y3 Spring Test 1, Y3 Spring Test 5
17	$36 + \square = 82$	46	1	Y3 Autumn Test 1, Y3 Autumn Test 3
18	$16 \times 5 = \square$	80	1	Y3 Spring Test 5, Y2 Spring Test 5
Total marks			18	