

Autumn Test 6



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 and a single-digit number with and without crossing a ten
- Addition and subtraction of a two-digit number and a multiple of 10
- 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 and 2
- Finding a half, a third, a quarter, two quarters or three quarters of an amount

New: Addition and subtraction of a three-digit number and a single-digit number or a multiple of 10

A suggestion for teaching addition and subtraction of a three-digit and a single-digit number

Step 1 Display a number line from 380 to 410. Select a starting number and count on or back by a single-digit number. Compare this to using number bonds to 10 to calculate. Discuss which method the children find the quickest.

Step 2 Ask the children to visualise a number line and count on or back by a single-digit number. Encourage them to use their knowledge of number bonds to 10 and multiples of 10 to check their answers. Repeat the calculations using knowledge of number bonds to 10 to calculate the answers.

A suggestion for teaching addition and subtraction of a three-digit number and a multiple of 10

Step 1 Ask the children lots of questions about the value of each digit in various three-digit numbers.

Step 2 Focus on the tens digit and ask what the numbers would be if you had one more or one less ten. Discuss which digit in the number changes and why. Give the children lots of practice! Show the written calculations vertically, emphasising the importance of lining up the columns correctly. More able children could try this independently.

Question number	Question	Answer	Marks	Related test
1	$5 + 6 = \square$	11	1	Y1 Spring Test 2
2	$3 \times 10 = \square$	30	1	Y2 Autumn Test 2
3	$\square = 40 + 50$	90	1	Y3 Autumn Test 2
4	$15 - 9 = \square$	6	1	Y1 Summer Test 1
5	$2 \times \square = 12$	6	1	Y3 Autumn Test 5, Y2 Spring Test 1
6	$\square + 20 = 48$	28	1	Y3 Autumn Test 1, Y3 Autumn Test 3
7	$7 + 7 + 3 = \square$	17	1	Y2 Spring Test 6
8	$\square - 8 = 23$	31	1	Y3 Autumn Test 1, Y2 Spring Test 3
9	$345 + 6 = \square$	351	1	Y3 Autumn Test 6
10	$326 + \square = 376$	50	1	Y3 Autumn Test 1, Y3 Autumn Test 6
11	$40 \div 5 = \square$	8	1	Y2 Spring Test 5
12	$\frac{1}{3}$ of 21 = \square	7	1	Y2 Summer Test 5
13	$36 + 46 = \square$	82	1	Y3 Autumn Test 2
14	$72 - 24 = \square$	48	1	Y3 Autumn Test 3
15	$\frac{3}{4}$ of 40 = \square	30	1	Y3 Autumn Test 4
Total marks			15	