

5202-02 Multiply and divide by 10 and 100 (pg 1)Free resources from Mathsblog in association with www.mathsgogogo.co.uk © Mathsgogogo

1. Use a calculator to complete this table by multiplying and dividing by 10 and 100.

$N \div 100$	$N \div 10$	N	$N \times 10$	$N \times 100$
		12		
		4.6		
		150		
		34.8		
		17		
		0.7		
		0.23		
		9.34		
		27.4		

2. Describe what happens when:

- a) a number is multiplied by 10
- b) a number is multiplied by 100
- c) a number is divided by 10
- d) a number is divided by 100

3. In this table fill in the missing numbers.

$N \div 100$	$N \div 10$	N	$N \times 10$	$N \times 100$
			150	
				2300
	8			
0.09				
			47.6	
				3600
	0.78			
2.34				
			9	

1.	0.12	1.2	12	120	1200
	0.046	0.46	4.6	46	460
	1.5	15	150	1500	15000
	0.348	3.48	34.8	348	3480
	0.17	1.7	17	170	1700
	0.007	0.07	0.7	7	70
	0.0023	0.023	0.23	2.3	23
	0.0934	0.934	9.34	93.4	934
	0.274	2.74	27.4	274	2740

2. When a number is multiplied by 10 it moves one place to the left.
When a number is multiplied by 100 it moves two places to the left.
When a number is divided by 10 it moves one place to the right.
When a number is divided by 100 it moves two places to the right.

3.	0.15	1.5	15	150	1500
	0.23	2.3	23	230	2300
	0.8	8	80	800	8000
	0.09	0.9	9	90	900
	0.0476	0.476	4.76	47.6	476
	0.36	3.6	36	360	3600
	0.078	0.78	7.8	78	780
	2.34	23.4	234	2340	23400
	0.009	0.09	0.9	9	90