Multiplying and Dividing by 10, 100 and 1000

×10	×100	×1000
1 × 10 = 10	1 × 100 = 100	1 × 100 = 1000
2 × 10 = 20	2 × 100 = 200	2 × 100 = 2000
3 × 10 = 30	3 × 100 = 300	3 × 100 = 3000
4 × 10 = 40	4 × 100 = 400	4 × 100 = 4000
5 × 10 = 50	5 × 100 = 500	5 × 100 = 5000
6 × 10 = 60	6 × 100 = 600	6 × 100 = 6000
7 × 10 = 70	7 × 100 = 700	7 × 100 = 7000
8 × 10 = 80	8 × 100 = 800	8 × 100 = 8000
9 × 10 = 90	9 × 100 = 900	9 × 100 = 9000
10 × 10 = 100	10 × 100 = 1000	10 × 100 = 10 000
11 × 10 = 110	11 × 100 = 1100	11 × 100 = 11 000
12 × 10 = 120	12 × 100 = 1200	12 × 100 = 12 000

×10
Move all of the digits one place to the left. Put a zero in the empty space (as a placeholder).

×100
Move all of the digits two places to the left. Put two zeros in the empty spaces (as placeholders).

×1000
Move all of the digits three places to the left. Place three zeros in the empty spaces (as placeholders).

÷10	÷100	÷1000
10 ÷ 10 = 1	100 ÷ 100 = 1	1000 ÷ 1000 = 1
20 ÷ 10 = 2	200 ÷ 100 = 2	2000 ÷ 1000 = 2
30 ÷ 10 = 3	300 ÷ 100 = 3	3000 ÷ 1000 = 3
40 ÷ 10 = 4	400 ÷ 100 = 4	4000 ÷ 1000 = 4
50 ÷ 10 = 5	500 ÷ 100 = 5	5000 ÷ 1000 = 5
60 ÷ 10 = 6	600 ÷ 100 = 6	6000 ÷ 1000 = 6
70 ÷ 10 = 7	700 ÷ 100 = 7	7000 ÷ 1000 = 7
80 ÷ 10 = 8	800 ÷ 100 = 8	8000 ÷ 1000 = 8
90 ÷ 10 = 9	900 ÷ 100 = 9	9000 ÷ 1000 = 9
100 ÷ 10 = 10	1000 ÷ 100 = 10	10 000 ÷ 1000 = 10
110 ÷ 10 = 11	1100 ÷ 100 = 11	11 000 ÷ 1000 = 11
120 ÷ 10 = 12	1200 ÷ 100 = 12	12 000 ÷ 1000 = 12

÷10
Move all of the digits one place to the right.

÷100
Move all of the digits two places to the right.

÷1000
Move all of the digits three places to the right.