

Multiplying by 10, 100 and 1000

When multiplying by 10, 100 or a 1000 the decimal point remains in still and the digits shift to the left.

$$28 \times 10 = 280$$

Move 1 jump to the left when multiplying by 10.

M	HTh	TTh	Th	H	T	U	.	t	h	th
					2	8				
				2	← 8	← 0				

$$28 \times 100 = 2,800$$

Move two jumps to the left when multiplying by 100.

M	HTh	TTh	Th	H	T	U	.	t	h	th
					2	8				
			2	← 8	← 0	← 0				

$$28 \times 1000 = 28,000$$

Move three jumps to the left when multiplying by 1000.

M	HTh	TTh	Th	H	T	U	.	t	h	th
					2	8				
		2	← 8	← 0	← 0	← 0				

The number of zeros will tell you how many jumps to the left you need to make e.g. $\times 100 = 2$ zeros = 2 places to the left.

