

Calculating Powers of 10

1) Calculate the following powers of 10 and record the factored and standard forms of each power.

Exponential form	Factored form	Standard form
Example: 10^6	$10 \times 10 \times 10 \times 10 \times 10 \times 10$	1,000,000
10^3		
10^7		
10^{-1}		
10^{-5}		
10^{-8}		

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2) When the exponent is positive in a power of 10, which direction do you move the number 1..

3) When the exponent is negative in a power of 10, which direction do you move the number 1 on a place value chart?