



## Statistics - Standard Deviation - Sigma Description to Percent in Two Sections

<b>1</b> What percentage of the data lies between $+1\sigma$ and $+3\sigma$ in a normal distribution?  $+1\sigma$ to $+3\sigma$	A	B	C	<b>2</b> What percentage of the data lies between $-2\sigma$ and the mean in a normal distribution?  $-2\sigma$ to mean	A	B	C
	2.1%	84.3%	49.8%		D	49.8%	52.3%
	D				D		
	15.7%				34.1%		
<b>3</b> What percentage of the data lies between $-1\sigma$ and $+1\sigma$ in a normal distribution?  $-1\sigma$ to $+1\sigma$	A	B	C	<b>4</b> What percentage of the data lies between the mean and $+2\sigma$ in a normal distribution?  mean to $+2\sigma$	A	B	C
	31.8%	68.2%	34.1%		D	81.8%	13.6%
	D				D		
	81.8%				52.3%		
<b>5</b> What percentage of the data lies between $-3\sigma$ and $-1\sigma$ in a normal distribution?  $-3\sigma$ to $-1\sigma$	A	B	C				
	13.6%	84.3%	15.9%				
	D						
	15.7%						