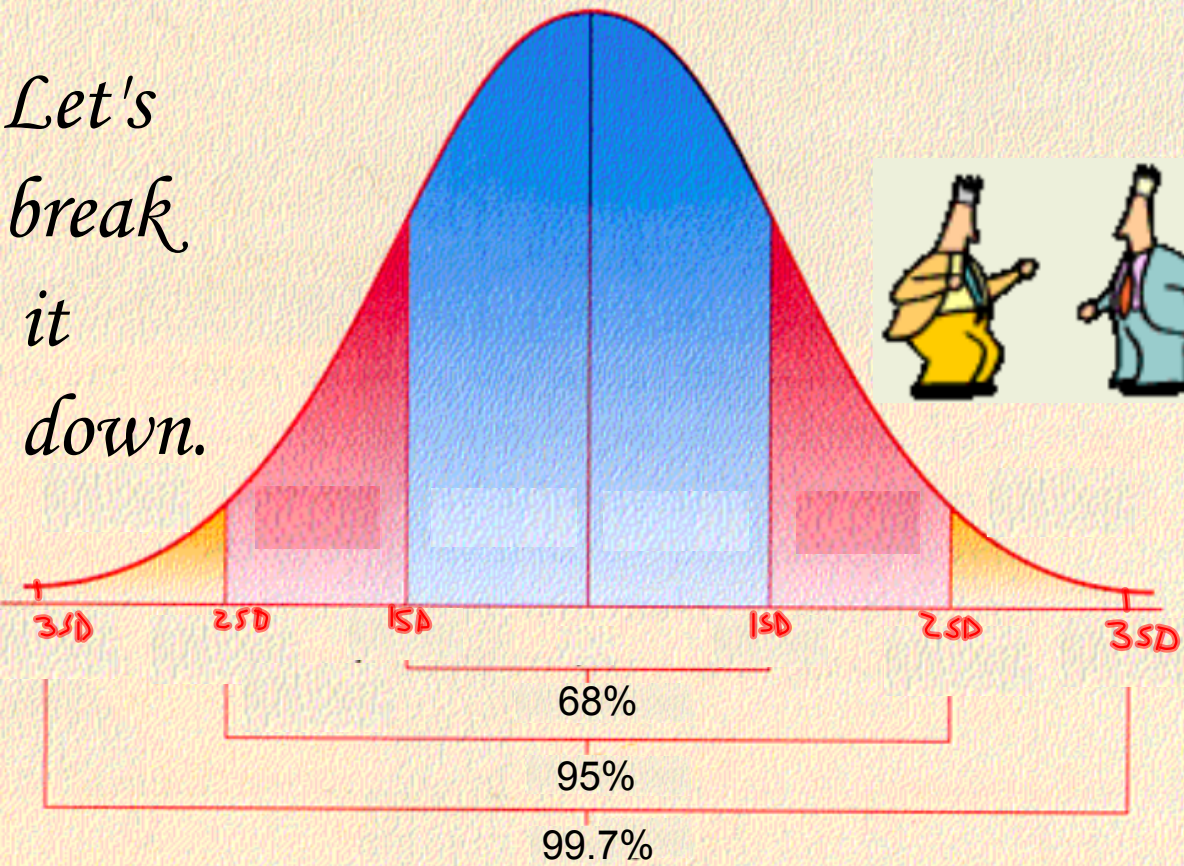
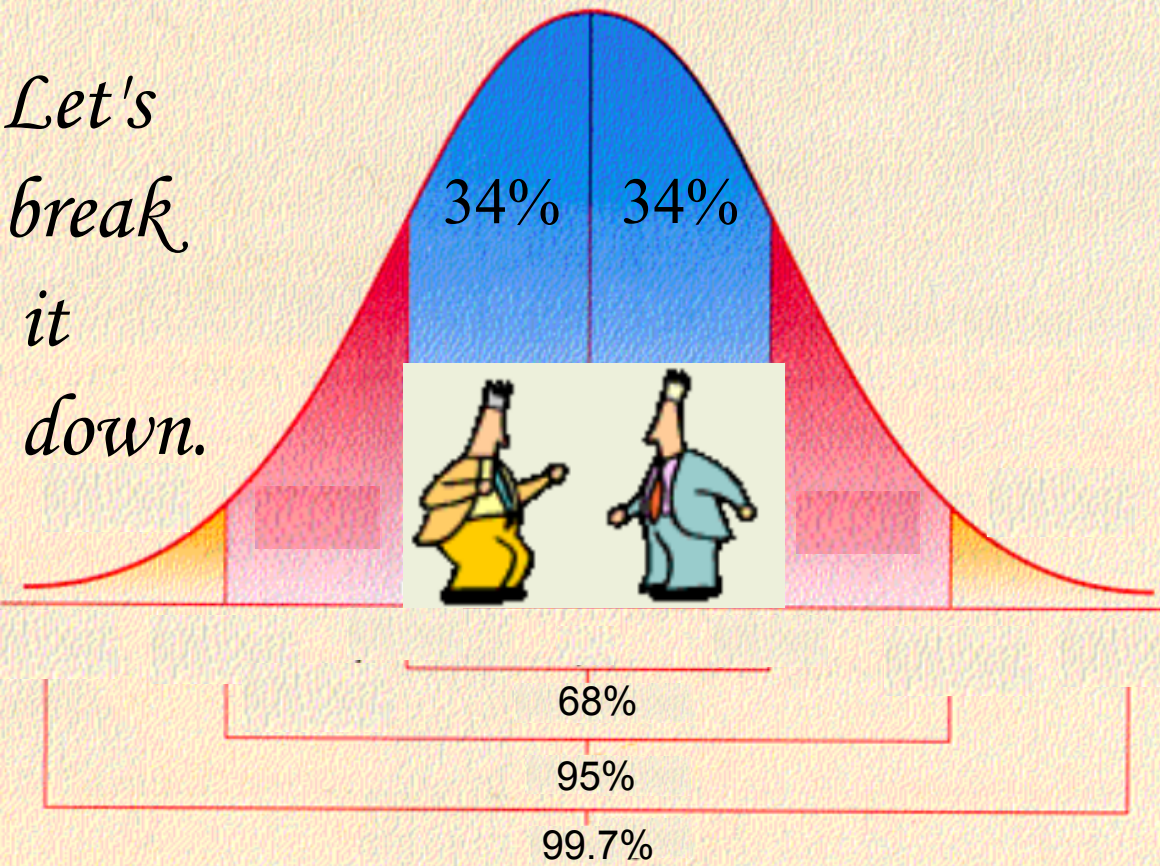
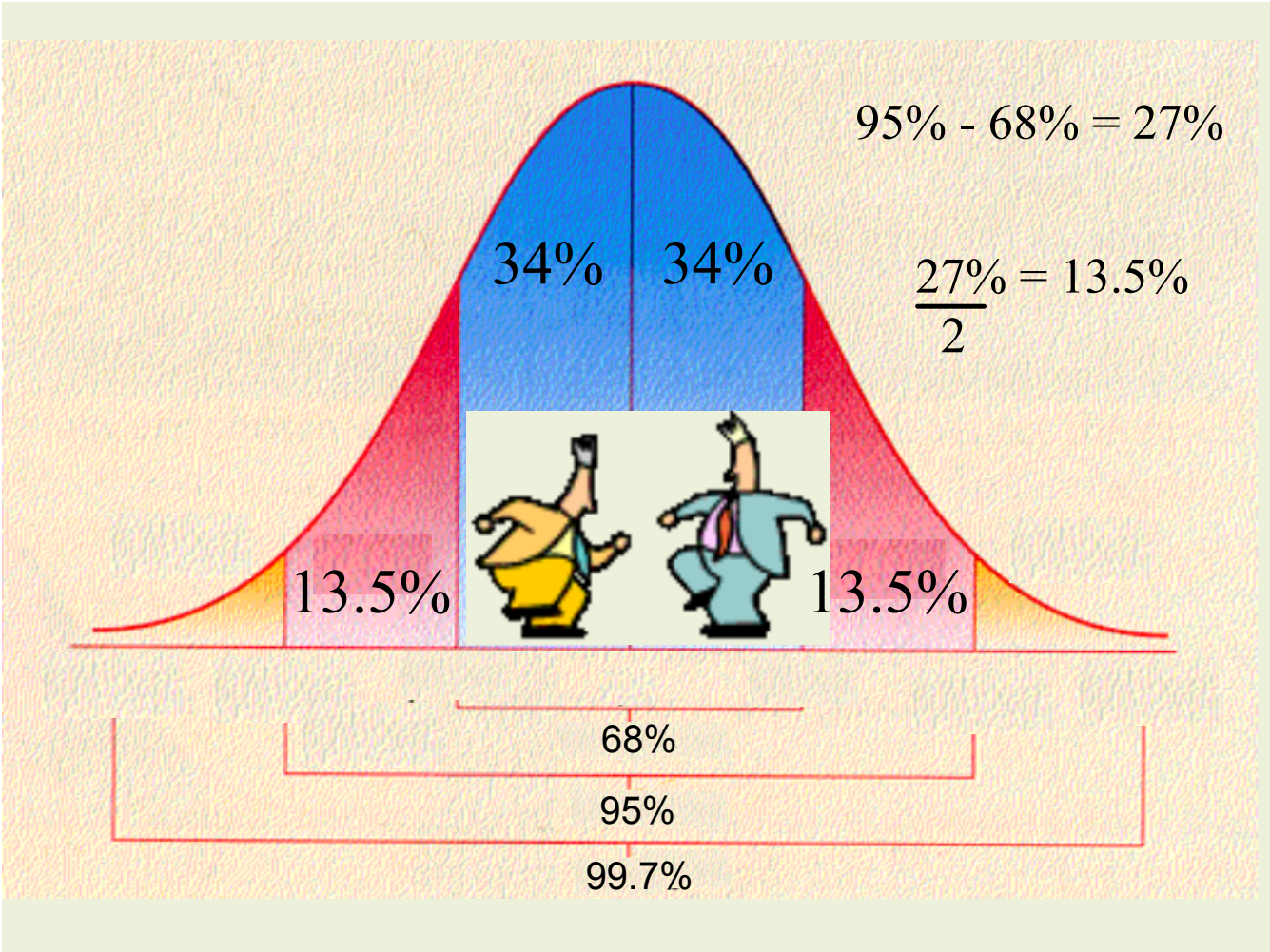


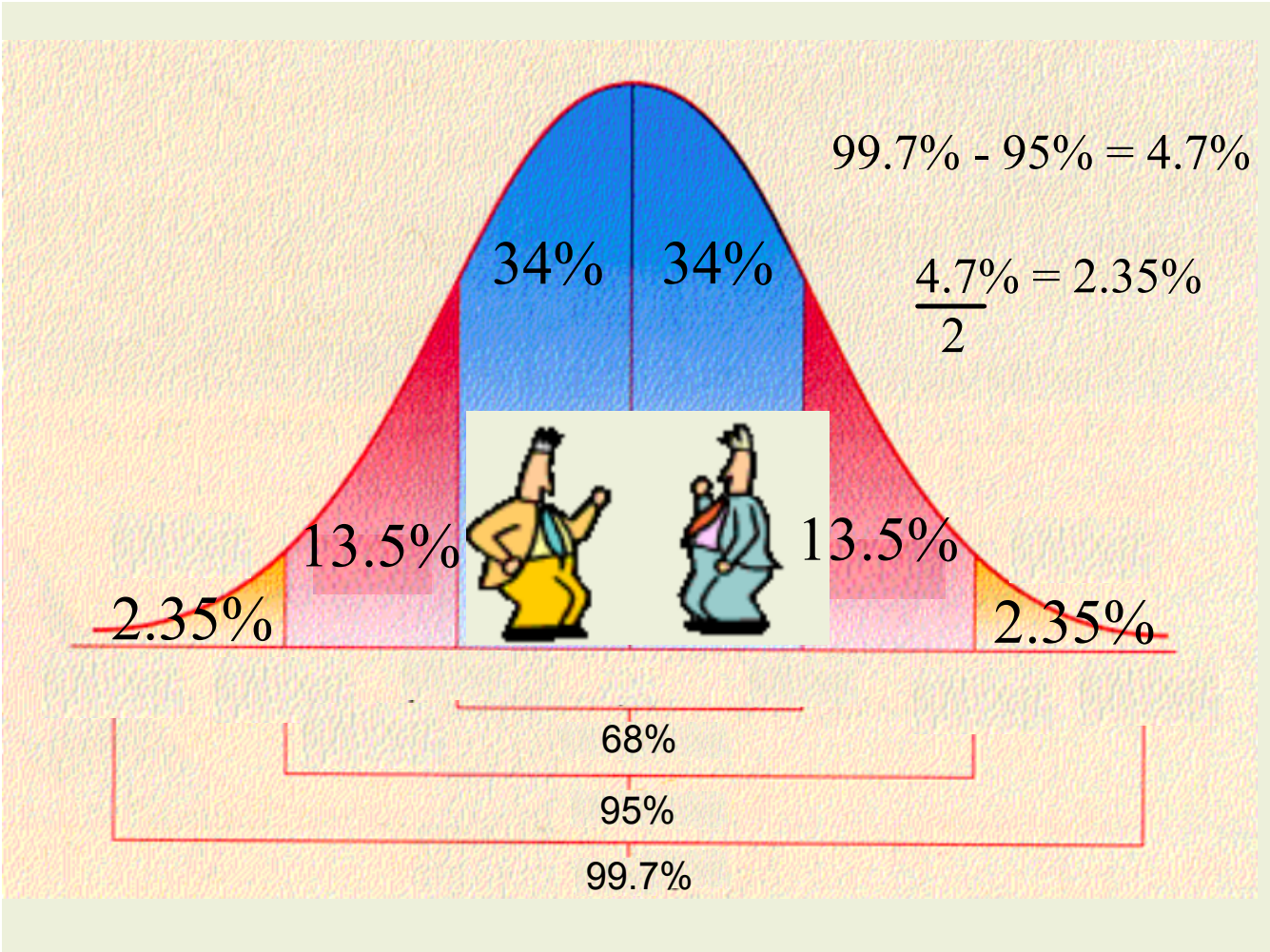
*Let's  
break  
it  
down.*



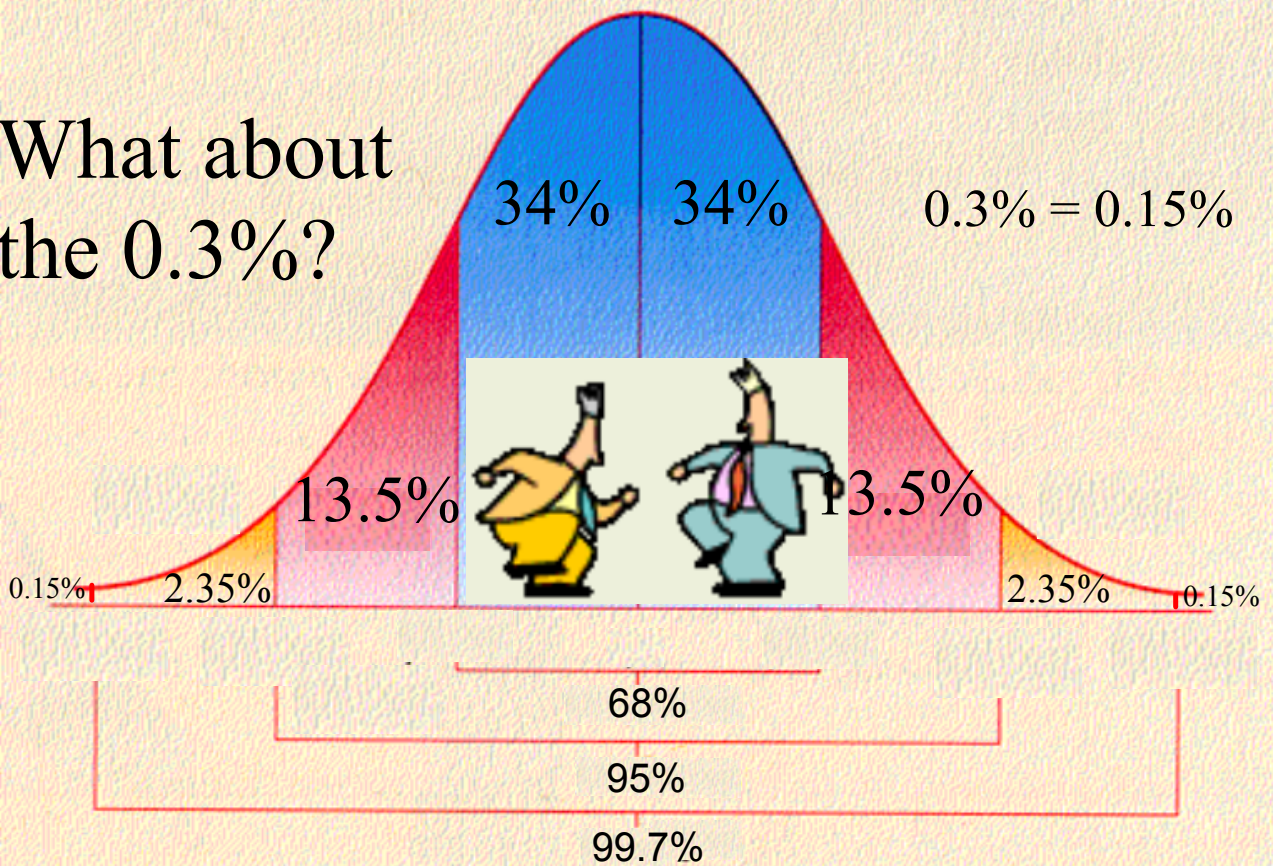
*Let's  
break  
it  
down.*





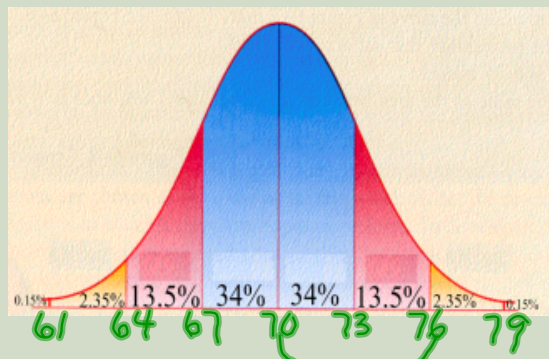


What about  
the 0.3%?

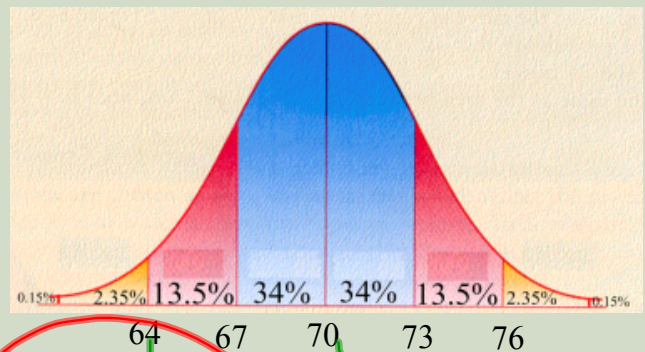
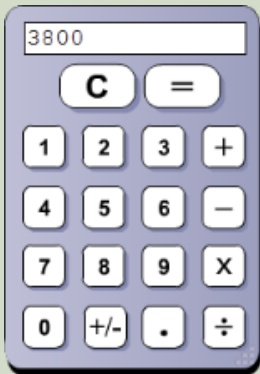


The quality controller at a candy factory determined that the mean mass of Krispy Nut chocolate bars is 70g with a standard deviation of 3g. Assuming a normal distribution, what percent of the bars have masses between 70g and 76g?

$$\begin{array}{r} 34 \\ + 13.5 \\ \hline = 47.5 \% \end{array}$$



If the company makes 8000 bars per day, how many of them will be between 64g and 70g?



$$\begin{array}{r} 34 \\ 13.5 \\ \hline 47.5\% \end{array} \quad \begin{array}{r} 47.5 \\ \div 100 \\ \hline 0.475 \end{array}$$

$$\begin{array}{r} 8000 \\ \times 0.475 \\ \hline 3800 \end{array}$$

