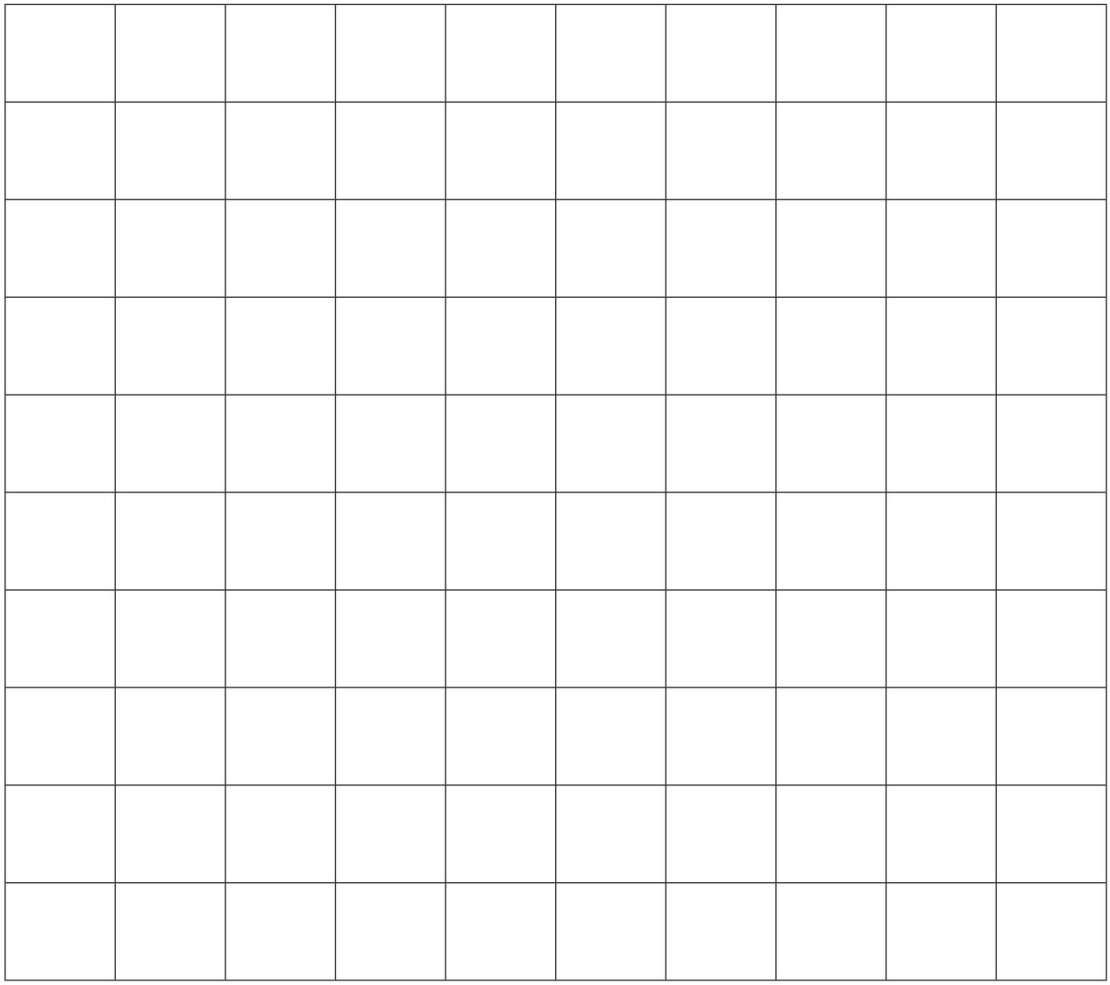BAR GRAPHING