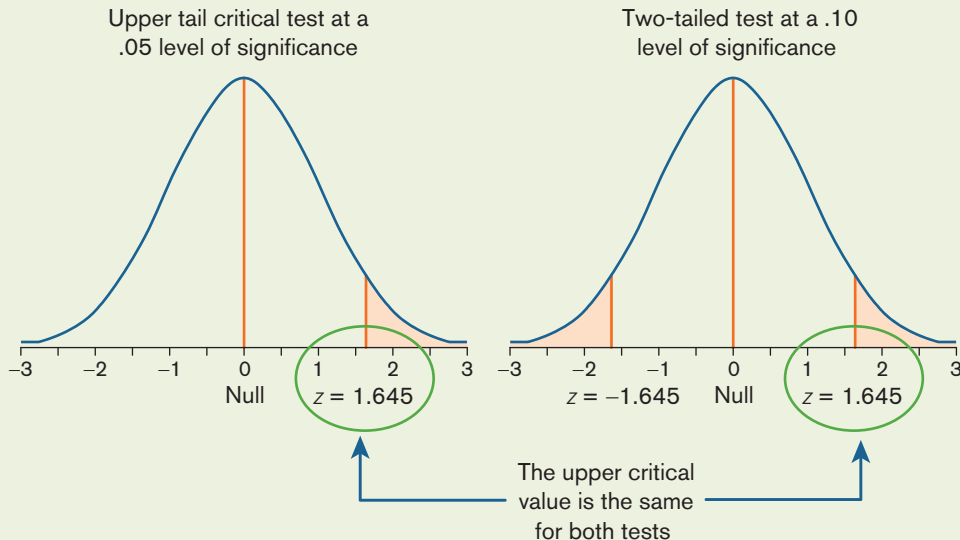


**FIGURE 8.8****Placing the Rejection Region in One or Both Tails**

When  $\alpha = .05$ , all of that value is placed in the upper tail for an upper-tail critical test. The two-tailed equivalent would require a test with  $\alpha = .10$ , such that .05 is placed in each tail. Note that the normal distribution is symmetrical, so the cutoff in the lower tail is the same distance below the mean ( $-1.645$ ; the upper tail is  $+1.645$ ).