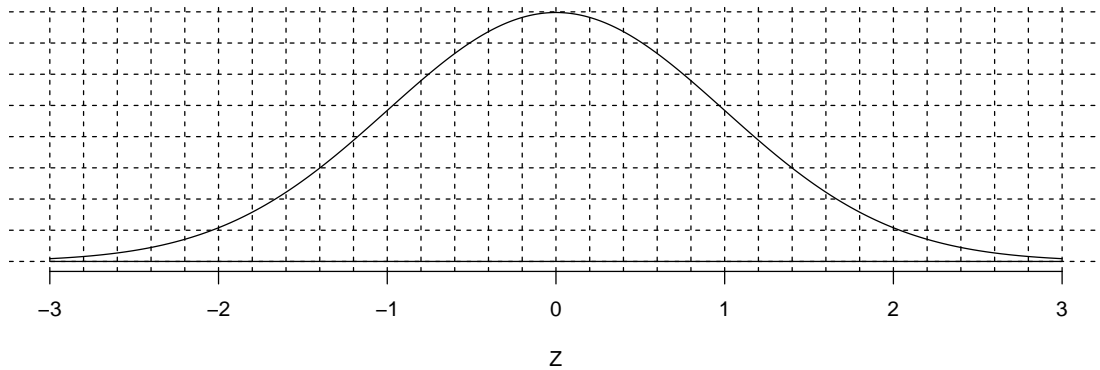# Question

The figure below shows the standard normal density. Each grid square represents 1% of probability.
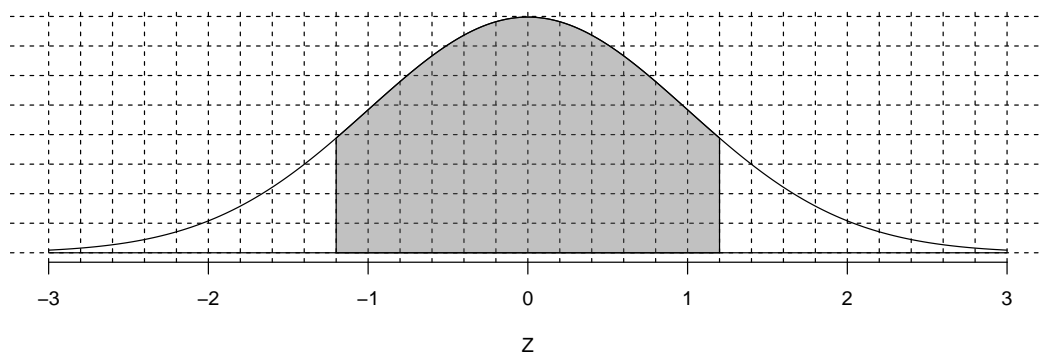

Answerlist

- Estimate z such that $P(|Z| < z) = 0.77$ by shading and counting.
- Determine z such that $P(|Z| < z) = 0.77$ by using the z-table.

Solution

Answerlist

- The shaded region is shown below.

  When you have shaded 77 squares, starting in the middle, you should end near $z = 1.2$.
- $z = 0.74$

Meta-information

extype: string exsolution: yo exname: marbles extol: 0.01