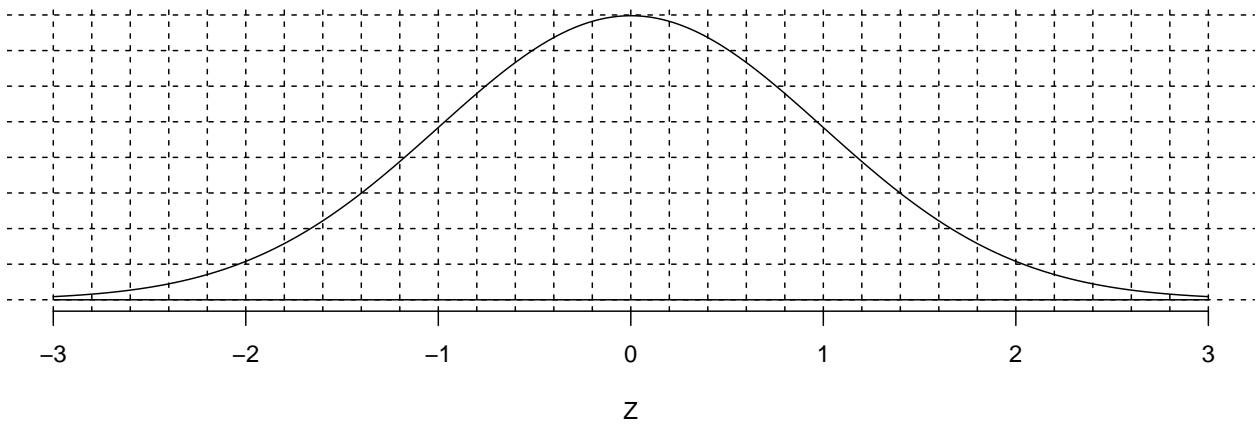


## Question

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

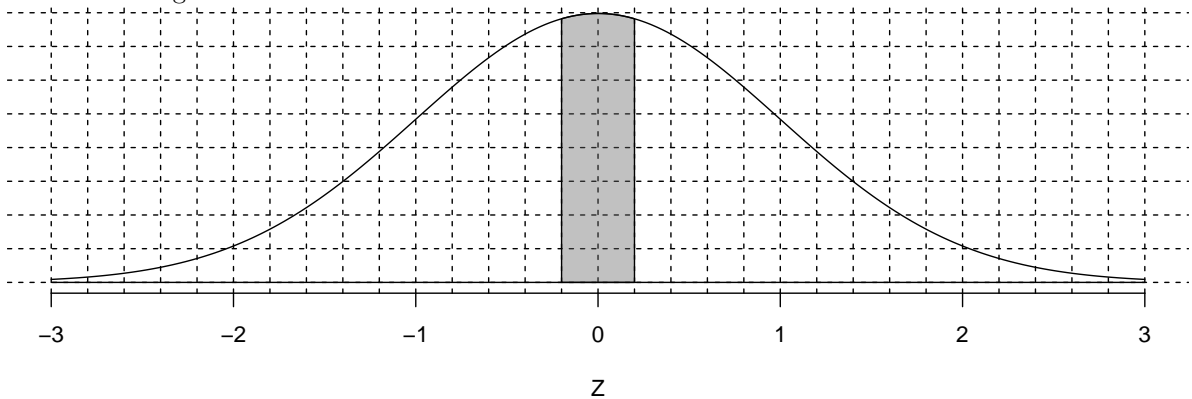


Answerlist — \* Estimate  $P(|Z| < 0.2)$  by shading and counting. \* Determine  $P(|Z| < 0.2)$  by using the  $z$ -table.

## Solution

### Answerlist

- The shaded region is shown below.



You should count about 16 shaded squares, giving a probability of about 0.16.

- The probability is 0.1585.

## Meta-information

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