

Health Science Pathway
Data and Statistics Module
Practice Questions 1

Reaction times as measured in a psychology experiment, was found to be normally distributed with a mean of 0.40 seconds and a standard deviation of 0.03 seconds.

Complete the following statements:

1. We would expect that 68% of the people would have a reaction time of between ___ and ___
2. We would expect that 95% of the people would have a reaction time of between ___ and ___
3. We would expect that 99% of the people would have a reaction time of between ___ and ___
4. We would expect that almost all of the people to have a reaction time of between ___ and ___

Answers:

1. 0.37 and 0.43
2. 0.34 and 0.46
3. 0.31 and 0.49
4. 0.28 and 0.52