

Petroleum pollution in oceans stimulates the growth of certain bacteria. An assessment of this growth has been made by counting the bacteria in each of 6 randomly chosen specimens of ocean water (of a fixed size). The 6 counts obtained were as follows:

67 , 43 , 49 , 45 , 68 , 70 .

Find the standard deviation of this sample of numbers. Round your answer to at least two decimal places.