

Question:

A length is quoted as 8.8 mm. What is the percentage relative uncertainty implied by this number? Round your answer to zero decimal places.

Answer:

If the uncertainty associated with a value is not specified, it is assumed to be ± 1 in the final digit.

So absolute uncertainty implied by this number is ± 0.1 mm and relative uncertainty is

$$100\% \cdot (0.1/8.8) = 1.13636\% \approx 1\%$$

Answer provided by www.AssignmentExpert.com