

Problem 66

Consider the equation $4000/400 = 10.0$. Assuming the number of significant figures in the answer is correct, what can you say about the number of significant figures in 4000 and 400?

Solution

The final answer, 10.0, has three significant figures, so 400 and 4000 cannot have less than three significant figures.

400 – Three significant figures

4000 – Three or four significant figures