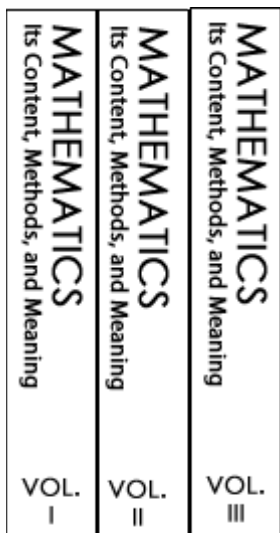


Three volumes of the series *Mathematics: Its Content, Methods, and Meaning*[^] are on a shelf with no space between the volumes. Each volume is one (1) inch thick without the covers, and each cover is $\frac{1}{8}$ inch thick. A bookworm bores horizontally from the first page of Volume I to the last page of Volume III. How far does the bookworm travel? Explain how you determined your solution.



[^] *Mathematics: Its Content, Methods, and Meaning* by A. D. Aleksandrov, A. N. Kolmogorov, and M. A. Lavrentev, <http://books.google.com/books/about/Mathematics.html?id=ikMAzFXpFOsC>