The Case of the Hungry Bookworm

Lana and Ben had a bookshelf in their classroom. On the bookshelf there were three identical sized books, Volume 1, Volume 2, and Volume 3. The books were part of the same set. There was also a very hungry bookworm. The books were each 3 inches thick and the covers were each ¼ inch thick. If the hungry bookworm started at the outside front cover of Volume 1 and ate through to the last page of Volume 3 how many inches of book material did the bookworm eat?

Along with the answer, make sure that you indicate how you determined the correct answer. To receive credit, you must explain what you did and why you did it. This is harder than it appears to be, so be careful! Have fun and good luck. DID YOU KNOW - A dog's sense of smell is 1,000 times more sensitive than a human's sense of smell?

Dr. Fraccaro