



A bookworm finds itself on page 1 of volume 1 and begins eating straight through to the last page of volume 5. If each book is 6 centimeters thick, including front and back covers, which are half a centimeter each, what is the distance the bookworm travels?



The trick here is looking at the way the books are lined up. The bookworm eats through only the front cover of volume 1 (0.5 cm), all of volumes 2, 3 and 4 (3 x 6 cm), and only the back cover of volume 5 (0.5 cm). The total distance is 19 centimeters.