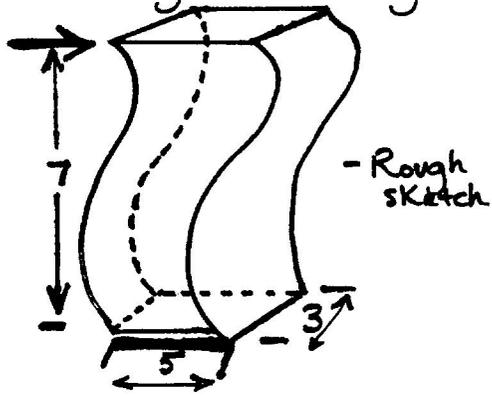


Using Cavalieri's principle, compute the volume of the structure shown; each cross section is a rectangle of length 5 and width 3.



Solution: