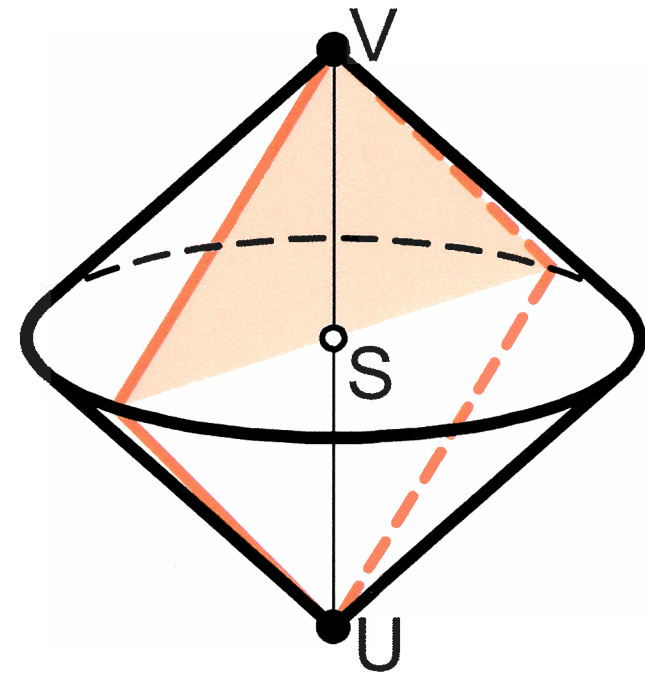
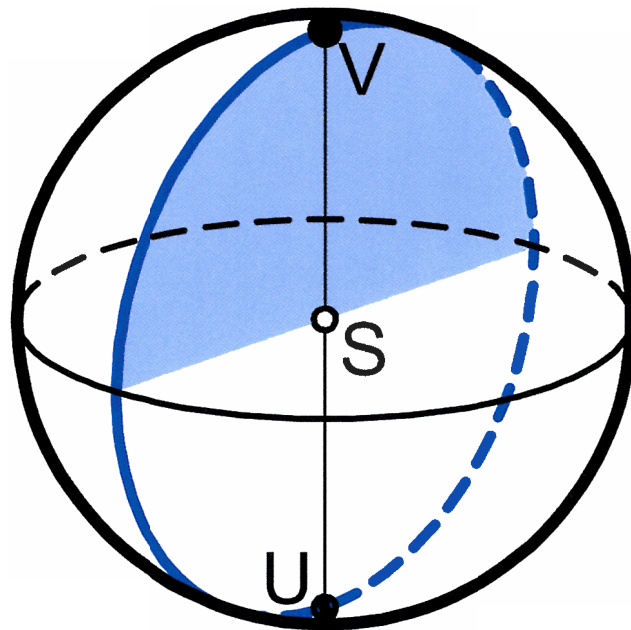
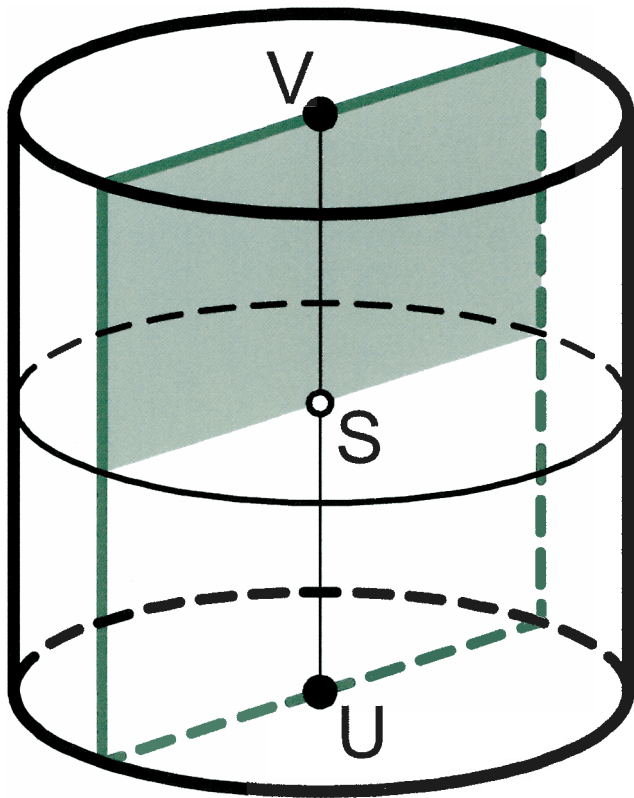


ARCHIMÉDÉS SI VELMI VÁŽIL TOHOTO SVÉHO OBJEVU :



DO VÁLCE VEPSANÉHO KRYCHLI S HRANOU DĚLKY  $2r$   
JE VEPSÁNA KOULE A DVOJKUŽEL S OBJEMY

$$V_v = \pi r^2 \cdot 2r = 2\pi r^3$$

$$V_k = \frac{4}{3}\pi r^3$$

$$V_j = \frac{2}{3}\pi r^3$$

$$\frac{6}{3} : \frac{4}{3} : \frac{2}{3}$$

=

$$3 : 2 : 1$$