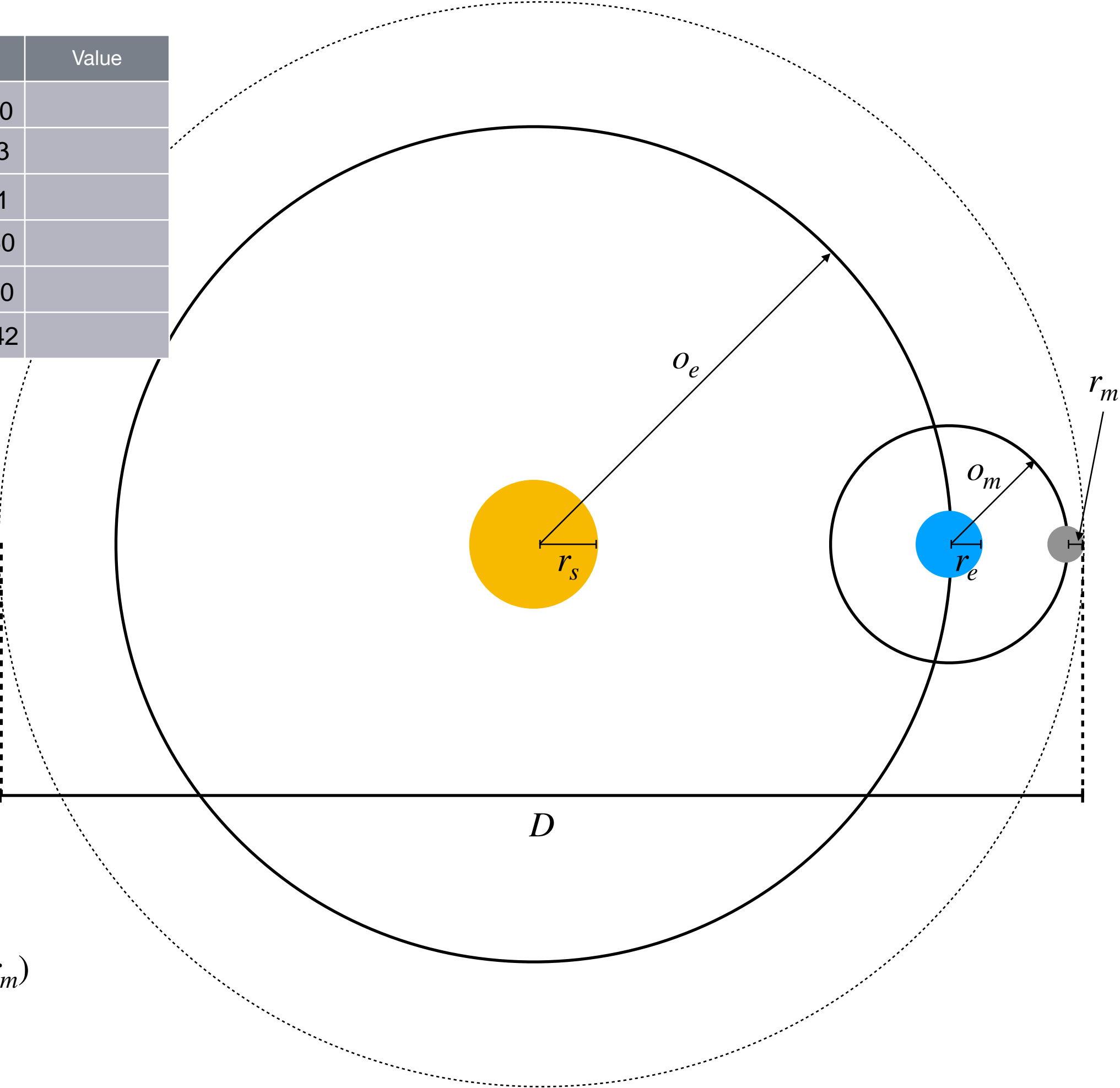


Parameter	Symbol	Value
Sun's Radius	r_s 30	
Earth's Radius	r_e 3	
Moon's Radius	r_m 1	
Earth's Orbit	O_e 60	
Moon's Orbit	O_m 10	
Overall Diameter	D 142	



$$\begin{aligned} D &= 2(O_e + O_m + r_m) \\ &= 2(60 + 10 + 1) \\ &= \mathbf{142} \end{aligned}$$