

# SOLAR SYSTEMS



## 1. Calculating scale

distance from edge of the solar system to sun ÷ distance from edge of model to middle

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= \_\_\_\_\_ AU / mm (1 mm in this scale = \_\_\_\_\_ Astronomical Units)

Object	Average radius from sun	Estimate distance from centre on scale model	Distance calculated for scale model
Outer edge of oort cloud	100 000 AU		
Inner edge of oort cloud	10 000 AU		
Outer edge of Kuiper belt	50 AU		
Pluto	39.5 AU		
Halley's comet at furthest reach	36 AU		
Inner edge of Kuiper belt	30 AU		
Neptune	30.1 AU		
Uranus	19.2 AU		
Saturn	9.58 AU		
Jupiter	5.2 AU		
Ceres	2.8 AU		
Asteroid belt	2.7 AU		
Vesta	2.36 AU		
Mars	1.52 AU		
Earth	1 AU		
Venus	0.722 AU		
Mercury	0.387 AU		
Sun	0 AU		