Name_____#___
Date_____ Pd.___

Planet and Solar System Scaling Activity

DIRECTIONS:

1. Use a "solving proportions" method to find each planet's distance from the Sun and diameter in cm.
2. With a partner, create circles on paper to represent each planet. Measure distances from the sun in cm on your paper strip to place planets.

Planet	AUs	cm		Diameter (km)	Diameter (cm)
Sun	0	0		1,391,016	
Mercury	.38			4,879.4	
Venus	.72			12,103.6	
Earth	1	4.4		12,742	
Mars	1.52			6,779	
Asteroid Belt	3	13.3		940	.07
Jupiter	5.2			139,822	10
Saturn	9.54			116,464	
Uranus	19.22			50,724	
Neptune	30.06			49,244	3.5
Pluto	39.5	175.5		2,302	