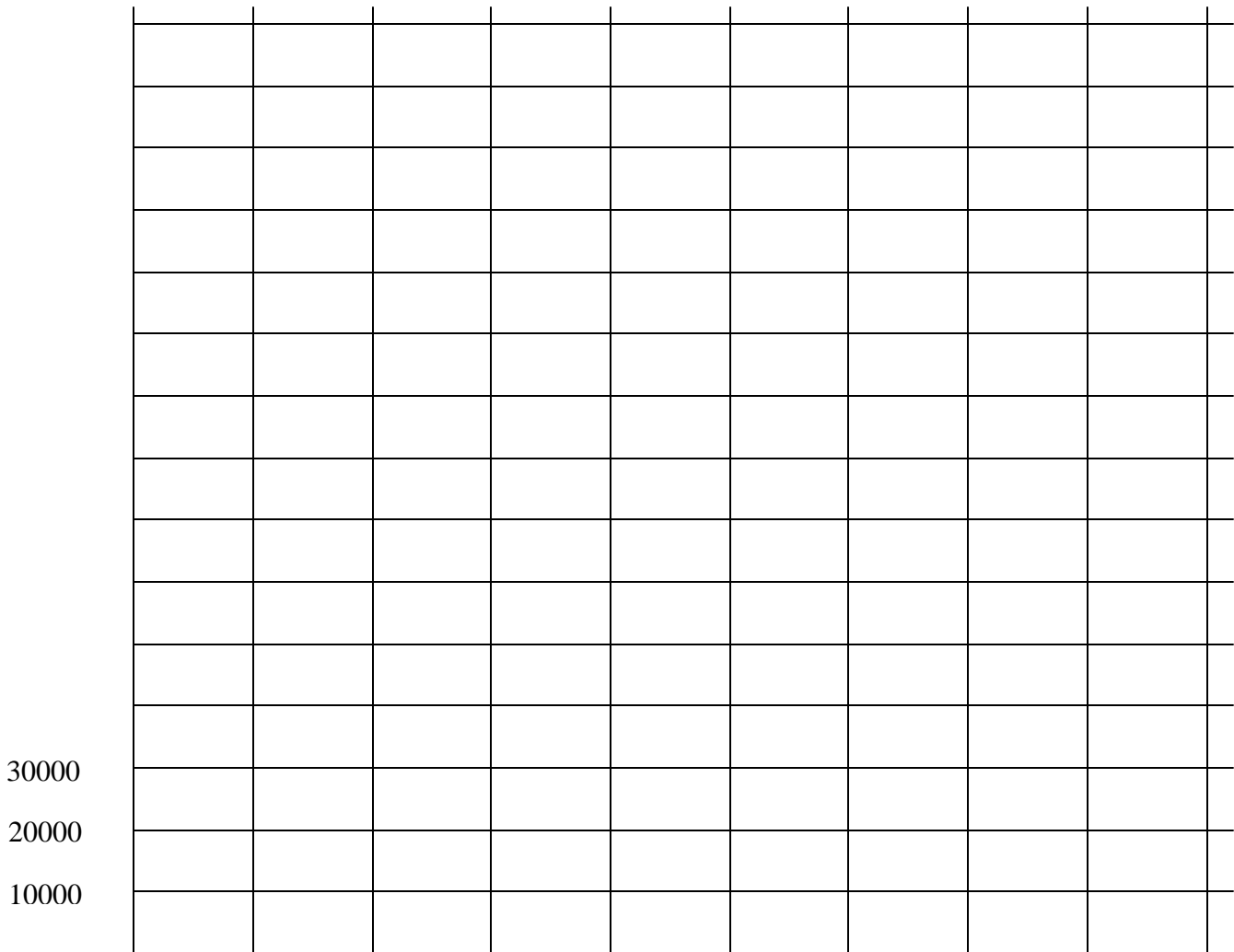


# Graphing Planets

Name \_\_\_\_\_

Use the set of axes below to graph the size of the planets. Be sure to give the graph a title and to label your axes.

1. Put the names of the planets along the horizontal axes in order from closest to the sun to farthest from the sun.
2. The vertical axis is for the planet's diameter in kilometers.
3. Plot the diameter of each planet on the graph.



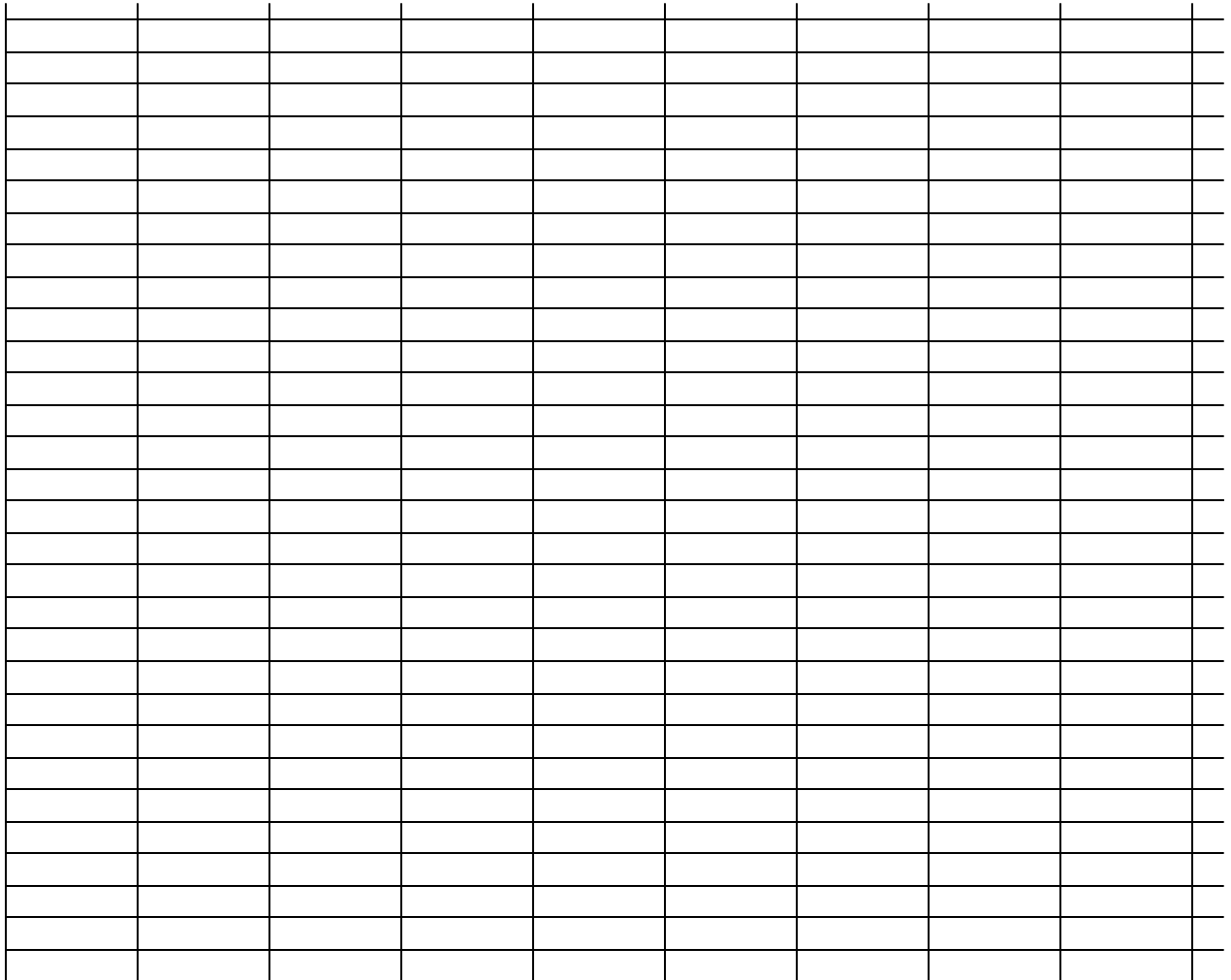
What pattern is there to the sizes of the planets? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If you wanted to plot the size of the sun, how many times larger would the graph paper have to be?  
\_\_\_\_\_  
\_\_\_\_\_

Graphing the distances of the planets.

Use the set of axes below to graph the distance of the planets from the sun. Be sure to give the graph a title and to label your axes.

1. Put the names of the planets along the horizontal axes in order from closest to the sun to farthest from the sun.
2. The vertical axis is for the planet's distance in millions of kilometers.
3. Plot the distance of each planet from the sun.



What pattern is there to the distances of the planets from the sun

Compare the size of the planets to their distance from the sun. Is there a pattern?

Planet	Mean Dist From Sun (millions of miles)	Mean Diameter (miles)
Mercury	36.0	3,031
Venus	67.1	7,521
Earth	92.9	7,926
Mars	141.5	4,221
Jupiter	483.4	88,734
Saturn	886.7	74,566
Uranus	1,782.7	31,566
Neptune	2,794.3	30,199
Pluto	3,666.1	1,450
Sun	0	864,000