Moons of Jupiter – Data Analysis

1. Calculations for your moon

Color of your moon: _____

Time it takes to go around Jupiter once: _____   *(Orbital Period)*

Distance to Jupiter (Orbital Radius): _____   *(Orbital Radius)*

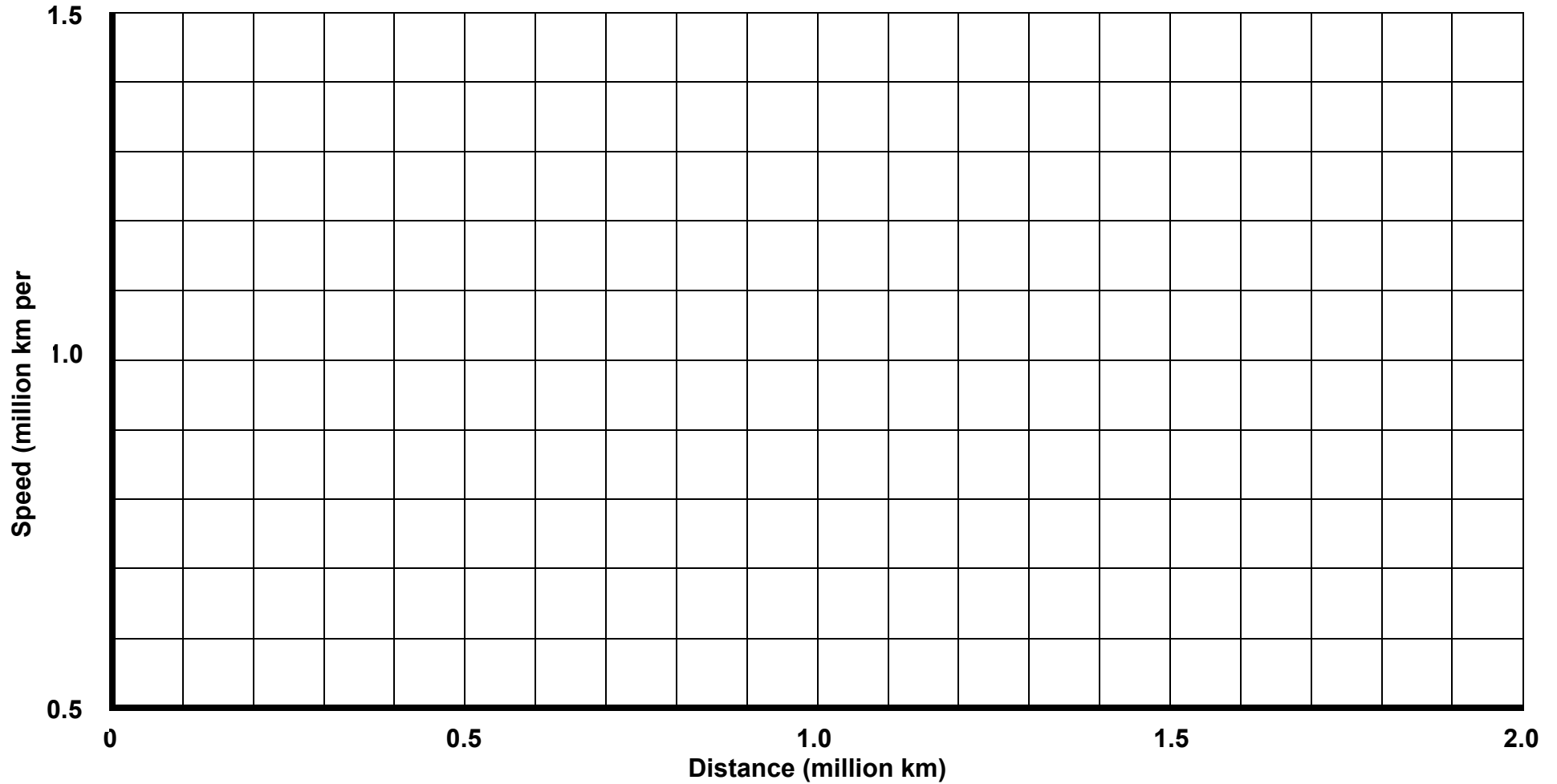Circumference of orbit (2π x Orbital Radius): _____   *(Length of Orbit)*

Speed of the moon (Length of Orbit / Orbital Period): _____   *(Orbital Speed)*

2. Calculations for all moons

Color	Orbital Period (Days)	Distance to Jupiter (Orbital Radius) (million km)	Length of Orbit (circumference) (million km)	Orbital Speed (million km /day)	Name of Moon
Red					
Yellow					
Blue					
White					

Orbital Speed of Moon versus Distance to Jupiter

Speed (million km per)

0.5 | 1.0 | 1.5

Distance (million km)

0 | 0.5 | 1.0 | 1.5 | 2.0

Write a caption for this graph: