

Moons of Jupiter – Data Analysis

1. Calculations for your moon

2. Color of your moon: _____

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

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

Circumference of orbit ($2\pi \times$ Orbital Radius): _____ *(Length of Orbit)*

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

3. 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	2	0.4	2.7	1.4	Io
Yellow	4	0.7	4.3	1.1	Europa
Blue	7	1.1	6.8	1.0	Ganymede
White	16	1.9	12.0	0.7	Callisto