What is the acceleration of gravity on a M asteroid R earth radii away from the earths surface

M = 4, R=2, a = 1.11

Moon A and Moon B have the same density, but the radius of moon B is twice as much as moon A. The acceleration of gravity on the surface of moon A is 2. What is the acceleration of gravity of Moon B?

Acceleration of A \* multiplier

Two asteroids each with a mass of 1 million Kg, are 47 meters apart. What is the force of gravity between them in Newtons?

GM1M2/R^2

In a far away galaxy, two planets orbit each other and their star. Planet B is 1/9 the mass of planet A. How far from the center of planet A should a satellite be placed, so the gravitational pull from each planet was equal?

3/4

Moon A and Moon B have the same density, but the radius of moon B is half as much as moon A. The acceleration of gravity on the surface of moon A is 2. What is the acceleration of gravity on moon B.

Acceleration of A \* multiplier

In a far away galaxy, two planets orbit each other and their star. Planet A is four times the mass of planet B. How far from the center of planet A should a satellite be placed, so the gravitational pull from each planet was equal?

2/3

When we say we can round 9.8 to 10. For gravity at the surface of earth, what are those numbers a measure of?

Acceleration

Two kryptonite spheres, each with a mass of 25 million Kg , are 9 meters apart. What is the force of gravity between in Newtons.

GM1M2/R^2