

6.) Two masses are attracted by a gravitational force of 15 N. If they are identical mass and are 12 m apart find the mass of each.

7.) A physics 11 student is blasted into orbit to a distance of 3 earth radii from the centre of the planet. What gravitational field strength would the student measure here?

8.) The moon has a radius of 1.74×10^6 m and mass 7.35×10^{22} kg. What would be the force of gravity on a 10.0 kg mass on the moon's surface?

Bonus - A kid throws a rock on a 45° angle with velocity 10.0 m/s off a 10.0 m high cliff. How far from the base of the cliff will the rock land?