**Assignment: Plotting the gravitational field strength of Venus**

**You will be using page 332 in your text book plus the information on this page in order to complete this assignment.**

**Data Table**

This table contains values for various distances from the centre of Venus, starting from a low orbit. The mass of Venus, 4.87 x 1024 kg, can be used to calculate the gravitational field strength.

Use the data table to calculate all the values for gravitational field strength.

|  |  |  |
| --- | --- | --- |
| **Trial** | **Distance from Centre of Venus (x 106 m)** | **Gravitational Field Strength (N/kg)** |
| 1 | 8.00 |  |
| 2 | 10.0 |  |
| 3 | 12.0 |  |
| 4 | 14.0 |  |
| 5 | 16.0 |  |
| 6 | 18.0 |  |
| 7 | 20.0 |  |
| 8 | 22.0 |  |
| 9 | 24.0 |  |

**Analysis Questions 1-6 on page 332**