| VARIABLES | | | UNITS | | | PERIOD | VELOCITY | FORCE |
|-----------|-------------|-------------------------------------|-----------------|----------|------------|--------------------------------|------------------|-----------------------|
| 1 | DEPENDENT | Gravitational Force [F] | Newton[kgms^-2] | | Radius (m) | p^2= (4*(3.1415)^2*R^3)/(G*M1) | V=((G*M1)/R)^0.5 | $F = (G*M1*M2)/(R)^2$ |
| 2 | INDEPENDENT | Radius[R] | metres(m) | 6.37E+06 | 7.00E+04 | 3.40E+01 | 7.54E+04 | 8.29E+03 |
| 3 | CONSTANTS | Universal Gravitational constant[G] | m^3kg^-1s^-2 | 6.67E-11 | 1.40E+05 | 2.72E+02 | 5.33E+04 | 2.07E+03 |
| | | Mass of the earth [M1] | kilogram(kg) | 5.97E+24 | 2.10E+05 | 9.18E+02 | 4.35E+04 | 9.21E+02 |
| | | Mass of the satellite [M2] | kilogram(kg) | 1.02E-01 | 2.80E+05 | 2.18E+03 | 3.77E+04 | 5.18E+02 |
| | | | | | 3.50E+05 | 4.25E+03 | 3.37E+04 | 3.32E+02 |
| | | | | | 4.20E+05 | 7.34E+03 | 3.08E+04 | 2.30E+02 |
| | | | | | 4.90E+05 | 1.17E+04 | 2.85E+04 | 1.69E+02 |
| | | | | | 5.60E+05 | 1.74E+04 | 2.67E+04 | 1.30E+02 |
| | | | | | 6.30E+05 | 2.48E+04 | 2.51E+04 | 1.02E+02 |
| | | | | | 7.00E+05 | 3.40E+04 | 2.39E+04 | 8.29E+01 |
| | | | | | 7.70E+05 | 4.53E+04 | 2.27E+04 | 6.85E+01 |
| | | | | | 8.40E+05 | 5.88E+04 | 2.18E+04 | 5.76E+01 |
| | | | | | 9.10E+05 | 7.47E+04 | 2.09E+04 | 4.91E+01 |
| | | | | | 9.80E+05 | 9.33E+04 | 2.02E+04 | 4.23E+01 |
| | | | | | 1.05E+06 | 1.15E+05 | 1.95E+04 | 3.68E+01 |
| | | | | | 1.02E+06 | 1.05E+05 | 1.98E+04 | 3.90E+01 |
| | | | | | 2.30E+06 | 1.21E+06 | 1.32E+04 | 7.68E+00 |
| | | | | | 2.50E+06 | 1.55E+06 | 1.26E+04 | 6.50E+00 |
| | | | | | 2.70E+06 | 1.95E+06 | 1.21E+04 | 5.57E+00 |
| | | | | | 3.00E+06 | 2.68E+06 | 1.15E+04 | 4.51E+00 |
| | | | | | 3.20E+06 | 3.25E+06 | 1.12E+04 | 3.97E+00 |
| | | | | | 3.50E+06 | 4.25E+06 | 1.07E+04 | 3.32E+00 |
| | | | | | 3.70E+06 | 5.02E+06 | 1.04E+04 | 2.97E+00 |
| | | | | | 3.90E+06 | 5.88E+06 | 1.01E+04 | 2.67E+00 |
| | | | | | 4.30E+06 | 7.88E+06 | 9.62E+03 | 2.20E+00 |
| | | | | | 4.70E+06 | 1.03E+07 | 9.21E+03 | 1.84E+00 |
| | | | | | 5.10E+06 | 1.31E+07 | 8.84E+03 | 1.56E+00 |
| | | | | | 5.40E+06 | 1.56E+07 | 8.59E+03 | 1.39E+00 |
| | | | | | 5.60E+06 | 1.74E+07 | 8.43E+03 | 1.30E+00 |
| | | | | | 5.90E+06 | 2.04E+07 | 8.22E+03 | 1.17E+00 |
| | | | | | 6.20E+06 | 2.36E+07 | 8.01E+03 | 1.06E+00 |
| | | | | | 6.37E+06 | 2.56E+07 | 7.91E+03 | 1.00E+00 |
| | | | | | | | | |













