**Scale of the Solar System**

**Table 1**

Your calculated “scale factor” from question 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm per km

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** |
| **Planet** | **Actual Diameter (km)** | **Scaled Diameter (mm)** | **Actual Distance From Sun (km)** | **Scaled Distance From Sun (mm)** | **Scaled Distance From Sun (m)** |
| Mercury | 4,866 | 0.35 | 57,950,000 | 4,163 | 4.163 |
| Venus | 12,106 |  | 108,110,000 |  |  |
| Earth | 12,742 |  | 149,570,000 |  |  |
| Mars | 6,760 |  | 227,840,000 |  |  |
| Jupiter | 139,516 |  | 778,140,000 |  |  |
| Saturn | 116,438 |  | 1,427,000,000 |  |  |
| Uranus | 46,940 |  | 2,870,300,000 |  |  |
| Neptune | 45,432 |  | 4,499,900,000 |  |  |