# 3 Star Challenge
## 'Averages' – in our Solar system - Answers

**Use a calculator to work out the average size, temperature orbit, day, distance and the number of moons in our Solar System.**
**You will need to round your answers to 2 decimal places (2dp) and then the nearest whole number.**
**Create a table in J2e to show your decimal averages and 'rounded' averages for each category, for each planet.**

| Planet | Size (diameter in Km) | Average Surface Temperature | Length of Orbit around the sun (days) | Length of day (hours) | Distance from the sun (miles) | Number of moons |
|---|---|---|---|---|---|---|
| Mercury | 4,880 | 350 C | 88 | 1404 | 35,983,093.1 | None |
| Venus | 12,103.6 | 456.85 C | 224.7 | 2400 | 67,237,911.8 | None |
| Earth | 12,755.6 | 15 C | 365 | 24 | 93,020,000 | 1 |
| Mars | 6,794 | -63 C | 687 | 24 | 141,670,000 | 2 |
| Jupiter | 142,984 | -108 C | 4380 | 10 | 483,682,799 | 66 |
| Saturn | 120,536 | -185 C | 10,752.9 | 10 | 890,704,144 | 33 |
| Uranus | 51,118 | -214 | 30,685.55 | 18 | 1,787,485,510.867 | 15 |
| Neptune | 49,528 | -200 | 60,225 | 19 | 2,766,929,150 | 13 |
| | | | | | | |
| Answer | 50,087.4 | 6.48 | 13,426.02 (2 dp) | 488.63 (2dp) | 783,339,076.10 (2dp) | 16.25 |
| Rounded | 50,087 | 6 | 13,426 | 489 | 783,339,076 | 16 |

**RANGE: SIZE = 142, 984 – 6,794 = 136, 190 Km**

**DISTANCE: 2,766,929,150 – 35,983,093.1 = 2,730,946,056.9**