

Name _____

Cosmic Challenges Answer Key

1. **Supply Shipment** - The **8** and **2** were switched.

- Correct: **3,482,715**
- Misread: **3,428,715**
The misread number is **54,000 less** than the correct amount.

2. **Robot Repair** - **703,090**

3. **Planet Survey - Planet Vela** has more crystals.
The first difference is in the **ten-thousands place**:

- Nova: 0 ten-thousands
- Vela: 5 ten-thousands
Therefore, **6,250,148 > 6,205,418**.

4. **Comet Tracker** - **Yes, the scientist is correct.**

In **84.637 million**, the 6 is in the **tenths place**, so it represents **0.6 million**, or **600,000 kilometers**.

5. **Alien Arcade** - Answers will vary. Any whole number from **445,000 through 454,999** will round to 450,000.

Example answers: **447,216** and **453,891**.