

Response Sheet

Participant Names: \_\_\_\_\_ & \_\_\_\_\_

**Instructions:** Write your answers on the answer sheet. Show your work on the question pages. Ties will be determined based on clarity of work on question pages.

- |                      |          |            |
|----------------------|----------|------------|
| 1.                   | Martians | Saturnians |
| Mean                 | _____    | _____      |
| Median               | _____    | _____      |
| Standard Deviation   | _____    | _____      |
| 25th percentile      | _____    | _____      |
| 75th percentile      | _____    | _____      |
| Normal Distribution? | _____    | _____      |
| Why?                 | _____    |            |
| _____                |          |            |
2. Area of room \_\_\_\_\_  
 Perimeter of room \_\_\_\_\_  
 Area of carpet \_\_\_\_\_  
 Cost of recarpeting \_\_\_\_\_
  3. Level of water for Cylinder A \_\_\_\_\_  
 Level of water for Cylinder B \_\_\_\_\_
  4. Probability of another sister. \_\_\_\_\_  
 Probability of aunt/uncle having 3 girls. \_\_\_\_\_
  5. Minimum area for 21 coins. \_\_\_\_\_  
 Description of arrangement \_\_\_\_\_  
 Minimum area for 50 coins? \_\_\_\_\_  
 Description of arrangement \_\_\_\_\_
  6. Number of collisions \_\_\_\_\_