

Name(s) \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

# Activity Guide - Interpreting Data



## Finding Relationships

In order to find relationships between the preferences, you'll do a cross tabulation of the data. That means that you don't just count how many people liked each thing (e.g. "dog"), but how many people liked two things together ("dogs" and "camping"). This will help you see how different answers relate to each other.

### Pets and Activities

|             | Dog | Cat | Bird | Snake |
|-------------|-----|-----|------|-------|
| Camping     |     |     |      |       |
| Art         |     |     |      |       |
| Video Games |     |     |      |       |
| Music       |     |     |      |       |

If someone likes cats, what activity is likely their favorite? \_\_\_\_\_

What is one more interesting relationship between favorite pet and favorite activity?

\_\_\_\_\_

\_\_\_\_\_

### Pets and Sports

|            | Dog | Cat | Bird | Snake |
|------------|-----|-----|------|-------|
| Swimming   |     |     |      |       |
| Soccer     |     |     |      |       |
| Basketball |     |     |      |       |
| Volleyball |     |     |      |       |

What are two interesting relationships between favorite pet and favorite sport?

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

### Activities and Sports

|            | Camping | Art | Video Games | Music |
|------------|---------|-----|-------------|-------|
| Swimming   |         |     |             |       |
| Soccer     |         |     |             |       |
| Basketball |         |     |             |       |
| Volleyball |         |     |             |       |

What are two interesting relationships between favorite activity and favorite sport?

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

## Reflection

How could relationships between these types of data help you to address a real world problem?

\_\_\_\_\_

\_\_\_\_\_