1st Grade Math: Making Fact Families

In this lesson, we will explore **fact families**! Fact families are groups of related addition and subtraction facts that use the same set of numbers. Understanding fact families helps you see how addition and subtraction are connected.

Key Concepts

1. **What is a Fact Family?**

   - A fact family consists of **two addition facts** and **two subtraction facts** that use the same three numbers.

   - For example, if we have the numbers **2, 3, and 5**, the fact family would look like this:

     - **Addition Facts:**

       - $2 + 3 = 5$
       - $3 + 2 = 5$

     - **Subtraction Facts:**

       - $5 - 3 = 2$
       - $5 - 2 = 3$

2. **Why are Fact Families Important?**

   - They show how addition and subtraction are related.

   - They help you understand numbers better and see how they work together.

Examples of Fact Families

Example 1: The Numbers 1, 2, and 3

- **Numbers:** 1, 2, 3
- **Addition Facts:**
    - $1 + 2 = 3$
    - $2 + 1 = 3$
- **Subtraction Facts:**
    - $3 - 1 = 2$
    - $3 - 2 = 1$

Fact Family:

- 1, 2, 3

Example 2: The Numbers 4, 2, and 6

- **Numbers:** 4, 2, 6
- **Addition Facts:**
    - $4 + 2 = 6$
    - $2 + 4 = 6$
- **Subtraction Facts:**
    - $6 - 4 = 2$
    - $6 - 2 = 4$

Fact Family:

- 4, 2, 6

Summary

- Fact families help you understand the relationship between addition and subtraction.
- Each fact family uses three numbers to create two addition facts and two subtraction facts.
- Practicing fact families makes you better at math!

Conclusion

Understanding fact families is an important part of learning addition and subtraction. Keep practicing with different sets of numbers, and you'll become a math expert!