Definitions:

1. Having your thumbs in the same spot indicates same sign.
   a. **Same Spot** ⇔ **Same Sign**
2. Having your thumbs in a different spot indicates different sign.
   a. **Different Spot** ⇔ **Different Sign**

Begin Here

For any math operation, start with thumbs in this **spot:**
Left thumb: vertical.
Right thumb: horizontal.

Multiplication and Division

CASE 1: Numbers have **Same Sign**.

- Keep thumbs in **Same Spot**.
- See thumbs for resulting " **+** " sign.

CASE 2: Numbers have **Different Sign**.

- Move left thumb down so that thumbs are in a **Different Spot**.
- See right thumb for resulting " **−** " sign.

Addition and Subtraction

CASE 1: Numbers have **Same Sign**.
- Keep thumbs in **Same Spot**.
- See thumbs for resulting " **+** " operation.
- The " **+** " indicates addition.
- **Add** numbers and keep **Same Sign**.

CASE 2: Numbers have **Different Sign**.
- Move left thumb down so that thumbs are in a **Different Spot**.
- See right thumb for resulting " **−** " operation.
- The " **−** " indicates subtraction.
- **Subtract** numbers and use sign of **bigger** number.
  - Bigger "wins".

Courtesy of **George Hartas**