

# INTEGER RULES

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## ADDITION

### **SAME SIGNS -**

- **ADD THE NUMBERS**
- **KEEP THE SIGN!**

### **DIFFERENT SIGNS -**

- **SUBTRACT THE NUMBERS**
- **KEEP THE SIGN OF THE NUMBER THAT IS FARTHER FROM ZERO!**

## SUBTRACTION

- **USE KEEP, CHANGE, CHANGE.**
- **FOLLOW ADDITION RULES.**

## MULTIPLICATION & DIVISION

### **SAME SIGNS -**

- **MULTIPLY OR DIVIDE THE NUMBERS**
- **ALWAYS A POSITIVE ANSWER**

### **DIFFERENT SIGNS -**

- **MULTIPLY OR DIVIDE THE NUMBERS**
- **ALWAYS A NEGATIVE ANSWER**

NAME: \_\_\_\_\_

# INTEGER OPERATIONS

## ADDITION RULES

### SAME SIGNS:

- ADD THE NUMBERS
- KEEP THE SIGN THE SAME.

### DIFFERENT SIGNS:

- SUBTRACT THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS LARGER/GREATER/  
FARTHER FROM ZERO.

## SUBTRACTION RULES

- USE KEEP, CHANGE, CHANGE TO REWRITE THE PROBLEM AS AN ADDITION/  
AN ADDITION PROBLEM.
- FOLLOW INTEGER ADDITION RULES.

## MULTIPLICATION & DIVISION RULES

### SAME SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS POSITIVE

### DIFFERENT SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS NEGATIVE

NAME:

# INTEGER OPERATIONS

## ADDITION RULES

**SAME SIGNS:**

- ADD THE NUMBERS

$$-5 + -6 = -11$$

$$-4 + -2 = -6$$

- KEEP THE SIGN THE SAME.

**DIFFERENT SIGNS:**

- SUBTRACT THE NUMBERS

$$-8 + 4 = -4$$

$$10 + -1 = 9$$

- KEEP THE SIGN OF THE NUMBER THAT IS LARGER/GREATER/FARTHER FROM ZERO.

## SUBTRACTION RULES

- USE KEEP, CHANGE, CHANGE TO REWRITE THE PROBLEM AS AN ADDITION/AN ADDITION PROBLEM.

- FOLLOW INTEGER ADDITION RULES.

$$-2 - 4 = -6$$

$$-5 - (-8) = 3$$

## MULTIPLICATION & DIVISION RULES

**SAME SIGNS:**

- SOLVE THE MATH FACT

- ANSWER IS POSITIVE

$$-8(-7) = 56$$

**DIFFERENT SIGNS:**

- SOLVE THE MATH FACT

- ANSWER IS NEGATIVE

$$\frac{-48}{12} = -4$$