

INTEGER RULES

Integers are the set of whole numbers along with their opposite.

Integers= $\{ \dots -3, -2, -1, 0, 1, 2, 3, \dots \}$

ADDING

++ Add Numbers, Use + Sign

EX: $5+3=8$

-- Add Numbers, Use - Sign

EX: $-5-3=-8$

+ - Do you have more + or -?

Use that sign and subtract numbers

EX: $-5+3=$

$5-3=2$

5 is the larger number so you take that sign

$-5+3=-2$

SUBTRACTING

“Add the Opposite”

- 1. Change Subtraction sign to Addition**
- 2. Change the 2nd number to the opposite**
- 3. Follow Addition Rules**

EX: $-13--4$

$-13+-4$

$-13+4$

$13-4=9$

13 is the larger number so you take that

sign

$-13+4=-9$

MULTIPLICATION

+ AND += +

EX: $3 \times 4 = 12$

- AND -= +

EX: $-3 \times -4 = 12$

+ AND -= -

EX: $3 \times -4 = -12$

EX: $-3 \times 4 = -12$

DIVISION

+ AND += +

EX: $25/5 = 5$

- AND -= +

EX: $-25/-5 = 5$

+ AND -= -

EX: $25/-5 = -5$

EX: $-25/5 = -5$

