

WARM UP:

$$\textcircled{1} \quad 9 - |-12 + 3|$$

$$9 - \boxed{-9}$$

$$9 - 9$$

$$\boxed{0}$$

$$\textcircled{2} \quad 5 - 3 \cdot 6 + 12 \div 2$$

$$5 - 18 + 6$$

$$-13 + 6$$

$$\boxed{-7}$$

LESSON:**WHAT DO I NOTICE???**

A positive • a negative = negative

A negative • a positive = negative

A negative • a negative = positive

A positive • a positive = positive

Name:

Period:

Int 1

Notes 1-6
Multiply and Divide Integers

Unit 1

RULES:

When multiplying or dividing, if **BOTH** numbers are **POSITIVE**, the product or quotient (ANSWER) will be positive.

Example: $3 \cdot 2 = 6$

When multiplying or dividing, if **BOTH** numbers are **NEGATIVE**, the product or quotient (ANSWER) will be positive.

Example: $\frac{-20}{-4} = \boxed{5}$

$-3 \cdot -5 = \boxed{15}$

Name:

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Unit 1

When multiplying or dividing, if one number is **NEGATIVE** and the other is **POSITIVE**, the product or quotient (ANSWER) will be Negative.

Example:

$\frac{-20}{2} = -10$ $-3 \cdot 2 = 6$
 $3 \cdot -2 = 6$

What happens with $-2 \cdot -2 \cdot -2 = -8$

3 negatives = a negative

What happens with $\underbrace{(-2)(-2)}_4 \cdot \underbrace{(-2)(-2)}_4 = 16$

4 negatives = a positive

What happens with $\underbrace{(-2)(-2)}_4 \cdot \underbrace{(-2)(-2)}_4 \cdot (-2) = -32$

5 negatives = a negative

PRACTICE:

1) $\boxed{2}(-3)(-4) =$

$-6(-4)$

$\boxed{24}$

2) $\boxed{-1}(-1)(-5) =$

$1(-5)$

$\boxed{-5}$

3) $\boxed{7}(5)(-2) =$

$35(-2)$

$\boxed{-70}$