

**Do Now:**

- 1.)  $6(11) = \underline{66}$
- 2.)  $13(8) = \underline{104}$
- 3.)  $5(21)(2) = \underline{210}$
- 4.)  $23(42)(0) = \underline{0}$

Oct 1-9:07 AM

**Multiplication Challenge**

DNF

Sep 24-7:10 AM

**2.4 Multiplying Integers**

7.NS.2.abc

- SWBAT multiply integers to find the product.
- SWBAT understand meanings of operations; understand how operations are related; compute fluently.

Calculators: No

Sep 24-7:07 AM

**Multiplying Integers****Same sign**

- the product is **positive**

Example:  $2(4) = 8$        $-3(-7) = 21$  $Pos \cdot Pos = Pos$  $Neg \cdot Neg = Pos$ 

Sep 24-7:09 AM

**Different sign**

- the product is **negative**

Example:  $2(-4) = -8$        $-3(7) = -21$  $Pos \cdot Neg = Neg$  $Neg \cdot Pos = Neg$ 

Sep 24-7:09 AM

Find the product.

$$1.) -2(-1) = \underline{2} \quad 2.) -3(5) = \underline{-15}$$

$Neg \cdot Neg = Pos$        $Neg \cdot Pos = Neg$

$$3.) 12(10) = \underline{120} \quad 4.) 3(-7) = \underline{-21}$$

$Pos \cdot Pos = Pos$        $Pos \cdot Neg = Neg$

$$5.) 4(-10)(-12) = \underline{480}$$

$Pos \cdot Neg \cdot Neg = Pos$        $Neg \cdot Neg$

$$\begin{array}{r} 12 \\ \times 40 \\ \hline 480 \end{array}$$

Sep 24-7:10 AM

**Try This:** Find the product.

1.)  $5(-4) = \underline{-20}$     2.)  $4(13) = \underline{52}$

3.)  $-19(0) = \underline{0}$     4.)  $-4(-1) = \underline{4}$

5.)  $(-1)(-12)(-3) = \underline{-36}$

Sep 24-7:10 AM

Evaluate when  $a = 5$  and  $b = -11$

$a^2 + 3b$

$5^2 + 3(-11)$   
PEMDAS  
 $5 \cdot 5$

$25 + (-33)$  Diff Signs (Neg)  
 $(-8)$   
 $\frac{33}{-25}$   
 $8$

Oct 1-9:37 AM

Evaluate when  $c = -3$  and  $d = -14$

$c^2 - 5d$

$c^2 - 5d$   
 $(-3)^2 - 5(-14)$   
 $-3 \cdot (-3)$   
 $9 - (5)(-14)$   
 $9 - (-70)$   
 $9 + 70$   
 $(79)$   
 $\frac{214}{\times 5}$   
 $70$

Oct 1-9:37 AM

Sadere is exploring a coral reef. His depth is changing by -6 feet per second. If Sadere started at sea level, what is his position after 10 seconds?

$-6(10)$  ft/sec  
 $-60$  ft  
60 ft below surface  
10 seconds  
-6 ft/sec

Sep 25-7:14 AM

"If you cannot catch a fish, do not blame the sea."

**Graded Classwork**

- Working individually, complete Worksheet 2.4

#2-16 Evens Only  
#19, 25, 26

#1-15 Odds Only  
#19, 25, 26

**Exit Pass 2.4**

If  $a$  and  $b$  are integers and the expression  $a \cdot (b)$  is positive, what do you know about the signs of  $a$  and  $b$ ?

$a$  is pos  
 $b$  is pos



$a$  is neg  
 $b$  is neg

Sep 24-7:11 AM

Sep 24-7:06 AM

**Reflection of Today's Lesson****2.4 Multiplying Integers**

7.NS.2.abc

SWBAT multiply integers to find the product.  
SWBAT understand numbers and understand  
meanings of operations.

Sep 30-10:41 AM

**Homework****pg. 72 #10-28**

Sep 24-7:11 AM