Do Now:

Multiplication Challenge

DNF

Oct 1-9:07 AM 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

Multiplying Integers

Same sign

• the product is positive

Example: 2(4) = 8 -3(-7) = 21

Pos. Pos= Pos Neg. Nag= Pos

Sep 24-7:07 AM Sep 24-7:09 AM

Different sign

the product is negative

Example: 2(-4) = -8 -3(7) = -21

Pos. Neg= Neg Neg. Pos = Neg

Find the product.

1.) -2(-1) = 2 2.) -3(5) = 15 $Neg \cdot Neg = Pos$ $Neg \cdot Pos = Neg$

3.) 12(10) = 120 4.) 3(-7) = -21 $P_{05} \cdot P_{05} = P_{05}$ $P_{05} \cdot N_{05} = N_{05}$

5.) 4(-10)(-12) = 480 Pos- Neg-Neg = Pos

Sep 24-7:09 AM Sep 24-7:10 AM Try This: Find the product.

 $a^2 + 3b$

Evaluate when a = 5 and b = -11

Oct 1-9:37 AM

Sep 24-7:10 AM

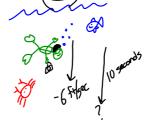
Evaluate when c = -3 and d = -14

$$c^2$$
 - $5d$

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

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?



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*(b) is positive, what do you know about the signs of a and b?



a is neg b is neg

Sep 24-7:11 AM

Sep 24-7:06 AM

October 02, 2015 2.4 MC3.notebook

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.

<u>Homework</u>

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Sep 30-10:41 AM Sep 24-7:11 AM