

MONDAY (B)
Sept. 13, 2017

AGENDA

- WARM-UP
- LAUNCH
- Flashback
- CORNELL NOTES
- Multiplying Integers
- Dividing Integers
- WORD PROBLEMS
- EXIT TICKET

HEADS UP

Quiz Monday
Sept 18th
Test Sept. 29th

WARM-UP

Evaluate the following expressions

1) $27 + 27 =$

2) $19 - 19 =$

3) $27 - 27 =$

4) $19 + 19 =$

5) $27 + (-27) =$

6) $19 + (-19) =$

7) $-27 + (-27) =$

8) $-19 + (-19) =$

**In three or more complete sentences,
tell what you've discovered.**

B Topic:
Multiplying/
Dividing
Integers

Lesson Essential Question

How are the operations of multiplication and division related? How do you decide if a product or quotient is positive or negative?

What do I do?

Ignore the signs

Multiply or divide numbers given

Count the number of negative signs

What sign will the answer be?

If an **EVEN** amount:
the answer is
Positive

If an **ODD** amount:
the answer is
Negative

Examples:

1) $-5(9)$ -45 2) -6×-7 42 3) $-42/2$ -21
4) $\frac{68}{-4} = -27$ 5) $-18 \div 3 = -6$ 6) $4(-5)(-3)$ 60

Topic:
Multiplying/
Dividing
Integers

Lesson Essential Question

How are the operations of multiplication and division related? How do you decide if a product or quotient is positive or negative?

Triangle
Method

Circle the signs of the two values in the problem, the remaining sign is part of the answer.

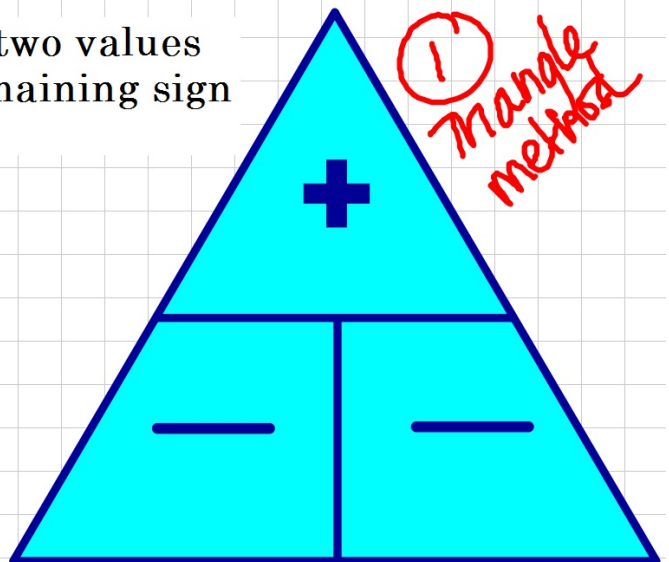
Examples:

$$-6 \times 3 = -18$$

$$-2 \bullet -4 = 8$$

$$48 \div -8 = -6$$

$$\frac{-36}{9} = -4$$



Topic:
Multiplying/
Dividing
Integers

Lesson Essential Question

How are the operations of multiplication and division related? How do you decide if a product or quotient is positive or negative?

Tic Tac Toe
Method

One positive two negatives in various order. Read lines straight across or vertically. First two are signs of numbers, third is the sign of the answer.

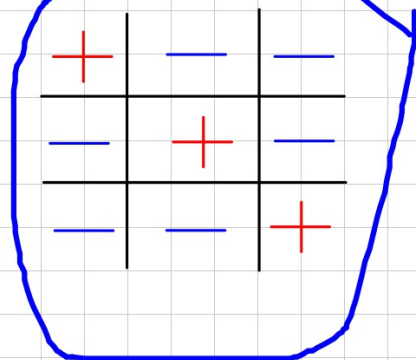
Examples:

$$-6 \times 3 =$$

$$-2 (-4) =$$

$$48 \div (-8) =$$

$$\frac{-36}{9}$$



THURSDAY (A)
Sept. 14, 2017

HEADS UP

Quiz Monday
Sept 18th
Notebook Test
Sept. 26th
MAP Testing
Sept 27-28
Integers Test
Sept. 29th

WARM-UP

Page 26

Copy and solve each problem.

1) $6(18)$

2) -4×-25

3) $12 \div (-3)$

4) $\frac{-92}{-4}$

5) Alicia owes \$6 to each of 4 friends. If she paid back one of her friends, how much money does she still owe?

*When you are done, you should work on
Multiplying and Dividing Integers (Item 15)
--If you finish that, then work on your SIGN MY NAME
project!*

Fill in the blank

To multiply or divide signed integers, always multiply or divide the values and use these rules to determine the of the answer.

The product/quotient of two positive integers or two negative integers is .

The product/quotient of a positive integer and a negative integer is .

Order of Operations

List the steps and find the answer.

Ex 1)

$$(2+3)^2 \quad P, E \quad 25$$

Ex 2)

$$2(3) - 4/2 + 2^2$$

Ex 3)

$$(6 - 3) + 2(1+4) - 7$$

Ex 4)

$$(3-2)^2 - 10/5 + 2(3)$$

