

Objective: Today we will add positive and negative numbers.

Algebra Bellwork - September 22, 2011

Simplify each expression

$$27 + 39$$

66

$$27 + (-39)$$

-12

$$-27 + (-39)$$

-66

$$-27 + 39$$

12

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Additive Inverse

$$-1 + \underline{\quad} = 0$$



Can you find a pattern, and make a rule?

- 1) adding a positive and a positive
- 2) adding a negative and a negative
- 3) adding a positive and a negative

Can you find a pattern, and make a rule?

1) adding a positive and a positive

Answer is always positive. Just add the numbers.

2) adding a negative and a negative

Answer is always negative. Just add the numbers, and keep the negative.

$$-1 + (-1) = -2$$

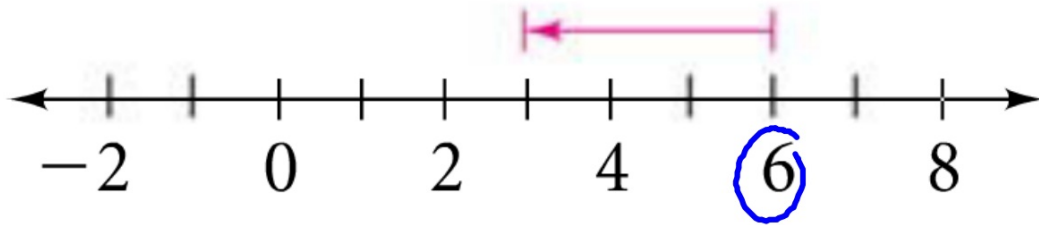
3) adding a positive and a negative.

Subtract the numbers. Keep the sign of the "bigger" number.

$$-5 + 2 = -3$$

Write the expression modeled by each number line. Then find the sum.

1.



$$6 + (-3)$$

$$3$$