

Slide 1:

Can you draw a horizontal number line showing the integer values in-between and including +10 and -10?

How would you describe the integer values shown on your number line?

Slide 3:

How would you describe/show a positive move on your number line?

Slide 5:

How would you describe/show a negative move on your number line?

Slide 7:

You are going to determine the sum for the integer problem  $(+5) + (+3)$  using a number line.

How do you determine your **starting point** on the number line?

Slide 9:

From your starting point... how would you describe/demonstrate your **movement** on the number line?

Slide 11:

Can you review by explaining how you used a number line to determine the sum for  $(+5) + (+3)$ ?

Slide 13:

You are going to determine the sum for the integer problem  $(+5) + (-8)$  using a number line.

How do you determine your **starting point** on the number line?

Slide 15:

From your starting point... how would you describe/demonstrate your **movement** on the number line?

Slide 17:

Can you review by explaining how you used a number line to determine the sum for  $(+5) + (-8)$ ?

Slide 19:

You are going to determine the sum for the integer problem  $(-7) + (+12)$  using a number line.

How do you determine your **starting point** on the number line?

Slide 21:

From your starting point... how would you describe/demonstrate your **movement** on the number line?

Slide 23:

Can you review by explaining how you used a number line to determine the sum for  $(-7) + (+12)$ ?

Slide 25:

*If you add a negative integer with another negative integer you will always get a negative sum*

Can you use a number line to prove the above statement is correct?

Slide 27:

Over a 24 –hour period temperatures can change numerous times.

Can you write an addition statement that describes how the temperature changed between Monday afternoon and Monday evening?

Slide 29:

Can you write an addition statement that describes how the temperature changed between Monday evening and Tuesday morning?

Slide 31:

Can you write an addition statement that describes how the temperature changed between Tuesday morning and Tuesday afternoon?

Slide 33:

*Integer values are helpful when describing situations involving money.*

*You have money... +. You owe money... -*

Look back at the three integer problems you solved in this tutorial. Can you write a situation involving money for each integer problem?

$$(+5) + (+3) = +8$$

$$(+5) + (-8) = -3$$

$$(-7) + (+12) = +5$$

I can model + integers and – integers on a number line

I can describe movement along a number line for both + and – integers

I can demonstrate how I determine the sum of two integers using a number line

I can write an addition statement to describe changes in integer values