

Slide 1:

Can you describe the tiles/chips you use to model integer values?

Slide 3:

How would you model the integer +5 using tiles?

How would you model the integer -5 using tiles?

Slide 5:

What are opposite integers?

How do you model opposite integers?

Slide 7:

Can you use the following scenario to explain how opposite integers form zero pairs?

You have \$5, however, you also owe a friend \$5

Slide 9:

You are going to use tiles to determine the sum for the following integer problem

$(+5) + (+3)$

Can you model both integer values in this problem?

Slide 11:

Now that you've modelled each integer value, how will you use the tiles to determine the sum?

Slide 13:

Can you review by explaining how you used integer tiles to determine the sum of $(+5) + (+3)$?

Slide 15:

You are going to use tiles to determine the sum for the following integer problem $(+5) + (-3)$

Can you model both integer values in this problem?

Slide 17:

Now that you've modelled each integer value, how will you use the tiles to determine the sum?

Slide 19:

Can you review by explaining how you used integer tiles to determine the sum of $(+5) + (-3)$?

Slide 21:

Look back at your solution path for $(+5) + (+3)$ and $(+5) + (-3)$

Which steps of each solution path are the same?

Which steps of each solution path are different?

Slide 24:

You are going to use tiles to determine the sum for the following integer problem

$(-4) + (-6)$

Can you model both integer values in this problem?

Slide 26:

Now that you've modelled each integer value, how will you use the tiles to determine the sum?

Slide 28:

Can you review by explaining how you used integer tiles to determine the sum of $(-4) + (-6)$?

Slide 30:

You are going to use tiles to determine the sum for the following integer problem
 $(+4) + (-6)$

Can you model both integer values in this problem?

Slide 32:

Now that you've modelled each integer value, how will you use the tiles to determine the sum?

Slide 34:

Can you review by explaining how you used integer tiles to determine the sum of
 $(+4) + (-6)$?

Slide 36:

Look back at your solution path for $(-4) + (-6)$ and $(+4) + (-6)$

Which steps of each solution path are the same?

Which steps of each solution path are different?

Slide 39:

To solve the addition problems $(+5) + (-3)$ and $(+4) + (-6)$ you perform subtraction

Can you explain why the above statement is true?

Slide 41:

Compare the solution paths for each of the four problems you have solved so far...

$(+5) + (+3)$... Model each integer.... Combine all tiles/chips

$(+5) + (-3)$... Model each integer.... Remove zero pairs

$(-4) + (-6)$... Model each integer.... Combine all tiles/chips

$(+4) + (-6)$... Model each integer.... Remove zero pairs

Can you write a rule(s) for determining the sum of two integers?

I can model a positive integer value using tiles or chips

I can model a negative integer value using tiles or chips

I can explain and model opposite integer values using zero pairs

I can add integer values by combining tiles or chips

I can add integer values by removing tiles or chips