

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 solve the following integer problem $(+5) - (+3)$

Can you **model** the first integer value shown in this problem?

Slide 11:

Now that you've modelled the first integer value, is it possible to **subtract/remove** the tiles indicated in the problem?

Slide 13:

Can you **review by explaining** how you used integer tiles to solve $(+5) - (+3)$?

Slide 15:

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

Can you **model** the first integer value shown in this problem?

Slide 17:

Now that you've modelled the first integer value, is it possible to **subtract/remove** the tiles indicated in the problem?

Slide 19:

How can we solve by forming **zero pairs**?

Slide 22:

You began with the integer value +5... then, after adding zero pairs of tiles... you still had +5

Can you explain why this statement is true?

Slide 24:

Why did we need to **add zero pairs** to solve $(+5) - (-3)$?

Slide 26:

Compare the solution paths for $(+5) - (+3)$ and $(+5) - (-3)$

How are the solution paths the same?

How are the solution paths different?

Slide 29:

To solve the subtraction problem $(+5) - (-3)$ you perform addition

Can you explain why this statement is true?

Slide 31:

Which of the following questions will require you to add zero pairs in order to solve?

$$(-8) - (-6)$$

$$(-8) - (+6)$$

$$(+6) - (+8)$$

Can you explain/show how you know?

Slide 33:

Can you summarize what you'll see in an integer problem when forming zero pairs are not required?

Can you summarize what you'll see in an integer problem when forming zero pairs are required?

Slide 35:

Can you demonstrate and explain your solution path solving $(-8) - (-6)$?

Slide 37:

Can you demonstrate and explain your solution path solving $(-8) - (+6)$?

Slide 39:

Can you demonstrate and explain your solution path solving $(+6) - (+8)$?

- ☑ 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 subtract integer values by removing tiles or chips
- ☑ I can subtract integer values by adding opposite pairs of tiles or chips