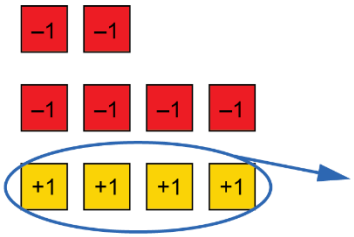
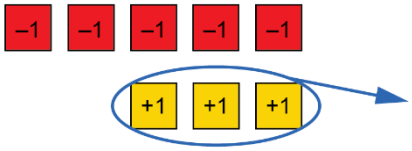
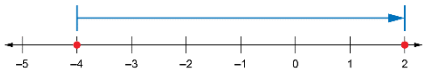
Number

Activity 8 Assessment

Subtracting Integers

Subtracting Integers			
Writes an expression to describe a given model of integer subtraction What difference could this model represent?  "The model represents (–2) – (+4) because you would need to add 4 zero pairs to –2 to be able to subtract 4.	Subtracts a positive integer with or without a model (–2) – (+3) "I can use tiles to subtract 3 from –2. I start with 2 red tiles to represent –2. I want to take away 3 yellow tiles but don't have any. So, I add 3 zero pairs and then remove the yellow tiles. I am left with 5 red tiles, so the answer is –5."  	Subtracts a negative integer with or without a model "I know that one meaning of difference is the distance between 2 numbers, starting from the number being subtracted. I can use a number line to determine 2 – (–4). The difference is +6."  	Uses integers to model and solve applied problems One winter evening it was –5ºC. Overnight, the temperature decreased by 7ºC. Write a subtraction sentence, then calculate the difference to determine the temperature the next morning. "The starting temperature was –5ºC. Since the temperature decreased by 7ºC, I can represent the situation as (–5) – 7, which is the same as –5 + (–7), or –12. The temperature the next morning was –12ºC."
Observations/Documentation			

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