

Cooking With Integers

Directions: Read the Chef's Hot and Cold Cubes story. Each of the problems below describes an action by the chefs. Write an equation to describe the action and find the overall result. **Each problem is unrelated to the previous.**

Chef's Cooking Action	Equation Describing the Action	Overall Result of Temperature Change
1. Three hot cubes were added and five hot cubes were added.		
2. Nine hot cubes were added and two hot cubes were added.		
3. Five cold cubes were added and nine cold cubes were added.		
4. Ten cold cubes were added and three cold cubes were added.		

Make an Observation: What happens to the temperature of the soup when you add hot cubes and more hot cubes?

Make an Observation: What happens to the temperature of the soup when you add cold cubes and more cold cubes?

5. Eight cold cubes were added and twelve hot cubes were added.		
6. Nine hot cubes were added and three cold cubes were added.		
7. Seven cold cubes were added and two hot cubes were added.		
8. Five hot cubes were added and eight cold cubes were added.		

Make an Observation: What happens to the temperature of the soup when you add more hot cubes than cold cubes?

Make an Observation: What happens to the temperature of the soup when you add more cold cubes than hot cubes?

Draw a Conclusion: Based on your observations, write a rule that explains how to add integers.