

ws you to state a conclusion from two clusion of one statement is the hypoth	true conditional statements when the esis of the other statement.
Property Law of Syllogism	
Symbols If $p \rightarrow q$ is true and $q \rightarrow r$ is true, then $p \rightarrow r$ is true.	<b>Example</b> If it is July, then you are on summer vacation.
	If you are on summer vacation, then you work at a smoothie shop.
	You conclude: If it is July, then you work at a smoothie shop.

- What can you conclude from the given information? What is your reasoning?
  - If a whole number ends in 0, then it is divisible by 10. If a whole number is divisible by 10, then it is divisible by 5.
  - **b.** If  $\overrightarrow{AB}$  and  $\overrightarrow{AD}$  are opposite rays, then the two rays form a straight angle. If two rays are opposite rays, then the two rays form a straight angle.
- a. If a whole number ends in D, then it is divisible by 5.
  b. cannot make a conclusion



