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Multiplication & Division Properties - Lesson 2-6

Here is our warmup...don't make this too hard...remember that you can use previously proved theorems if it's not asking you to prove a theorem (which it's not).



Today, we're going to cover a couple of new theorems regarding multiplication and division of segments and angles. Let's start by proving Theorem 14 (the Multiplication Property of Segments and Angles).



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Theorem 15 (the Division Property of Segments and Angles) is pretty similar. You should be able to come up with a proof for this...

Theorem 15 - If segments (or angles) are \cong , their like divisions are \cong (Division Property).

Theorem	n 15 - If angles are ≅, the	ir like divisions are \cong (Division Property of $\cong \angle$ s).
Given:	∠ABC ≅ ∠XYZ BD bisects ∠ABC	A D X
Prove:	YW bisects ∠XYZ ∠1 ≅ ∠2	
	Statements	B Reasons