Tangra	ams Student Worksheet	Name:	
		Date:	Pd
Object	tive: Student will be able to: -Create a hypothesis using "If/Then" statement	ts.	
	<ul><li>-Work through the scientific method.</li><li>-Communicate results with peers.</li></ul>		
Instruc	ction:		
1.	After watching "A Sage's Journey" Pick one sha Draw your shape on the space provided below.	• •	on for this activity.
2.	Create an "if/then" statement as an initial step	to solving the Tangram Pu	zzle. Use the example
	provided in class to determine how to complet		
	If	, then	
3.	Begin attempting to solve the Tangram shape umany attempts as your hypothesis covers only		ase note, this may take
	Did your first attempt at a hypothesis work? (P Yes, Go to Question #6 No, Go to Question # 4	lace an "X" next to your re	sponse)
4.	Formulate a new hypothesis using an "if/then"	statement.	
	If	, then	
	Attempt to solve the Tangram shape using you	r naw hynothasis (Plassa r	note this may take
	many attempts as your hypothesis covers only		iote, tilis illay take
	Did your first attempt at a hypothesis work? (P Yes, Go to Question #6	lace an "X" next to your re	sponse)

\_\_\_\_\_ No, Go to Question # 5

5.	Formulate a new hypothesis using an "if/then" statement.			
	If, then			
	Attempt to solve the Tangram shape using your new hypothesis. (Please note, this may take many attempts as your hypothesis covers only the initial step.)  Did your first attempt at a hypothesis work? (Place an "X" next to your response)  Yes, Go to Question #6  No, Go to Question # 7			
6.	Draw the solution to your Tangram Puzzle. Highlight the shapes used in your "if/then" statement in the space below. When finished write a step by step explanation as to how you solved the Tangram puzzle. This explanation should be clear enough that a classmate could replicate your findings.			
7.	Draw what you believe to the be the closest you came to solving your Tangram Puzzle in the			

space below. Highlight the shapes used in your "if, then" statement. Explain why you feel as though you were not able to solve your Tangram puzzle. Provide ideas you have that may help

others solve the puzzle.

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esti	ons:
1.	This activity had you actively using the scientific method. Provide an example of when each step was used.
2.	How has your understanding of the scientific method changed or become more clear after completing this activity?
3.	Putting Science aside for one moment, why do you believe Tangrams are so popular in Eastern Asia?