Date: _____

Name:		Date:
The Mystery of Mary Celeste Read through the handout then think about the following questions:		
1.	What information is the most significant?	
2.	What are some explanations for the mystery?	
3.	Decide on an explanation and develop an argument to support it.	
4.	What piece of evidence, currently missing, would further support	your explanation?
Decide	e if you agree or disagree with the following:	
1.	When studying evidence or examples, the patterns you see will leaconclusion. (True or False)	ad you to the correct
2.	Examining examples can help you discover patterns and make prediction	ons. (True or False)
3.	There is only one pattern that can be used to predict the next three term (True or False)	ns after 1, 4, 9, 16,

Definitions

Inductive Reasoning

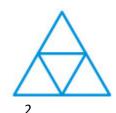
Conjecture

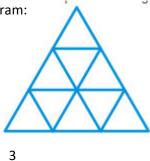
Example Make a conjecture for each of the situations below:

- a) Sunny days make people happy. It is a sunny day,
- b) An ambulance arrives at the school.
- c) Doctors are smart. Suzy is a doctor.
- d) One of these numbers doesn't belong: 2, 3, 4, 7, 11, 13, 17

Example In the sequence below, add the next diagram:







Complete the chart for the pattern above:

Diagram	1	2	3	4	5
# small triangles					

Based on your observations above, how many triangles would be in the 10th diagram?

Example The next number in the sequence 1, 1, 2, 3, 5, 8, 13, 21, is

Example What happens when you add two odd numbers together?

Example Make two conjectures based on the information in the graph:

