


# Think Like A... Mathematician



## 1. Define the expert....

math·e·ma·ti·cian

/ˌmɑːθ(ə)məˈtiːʃən/ 

*noun*

an expert in or student of mathematics.

A mathematician is someone who uses an extensive knowledge of mathematics in his or her work, typically to solve mathematical problems. Mathematics is concerned with numbers, data, quantity, structure, space, models, and change. [Wikipedia](#)

A mathematician, like a painter or poet, is a maker of patterns. If his patterns are more permanent than theirs, it is because they are made  
with ideas

— G. H. Hardy *A  
Mathematician's Apology*  
(London 1941) —

# Think Like A... Mathematician



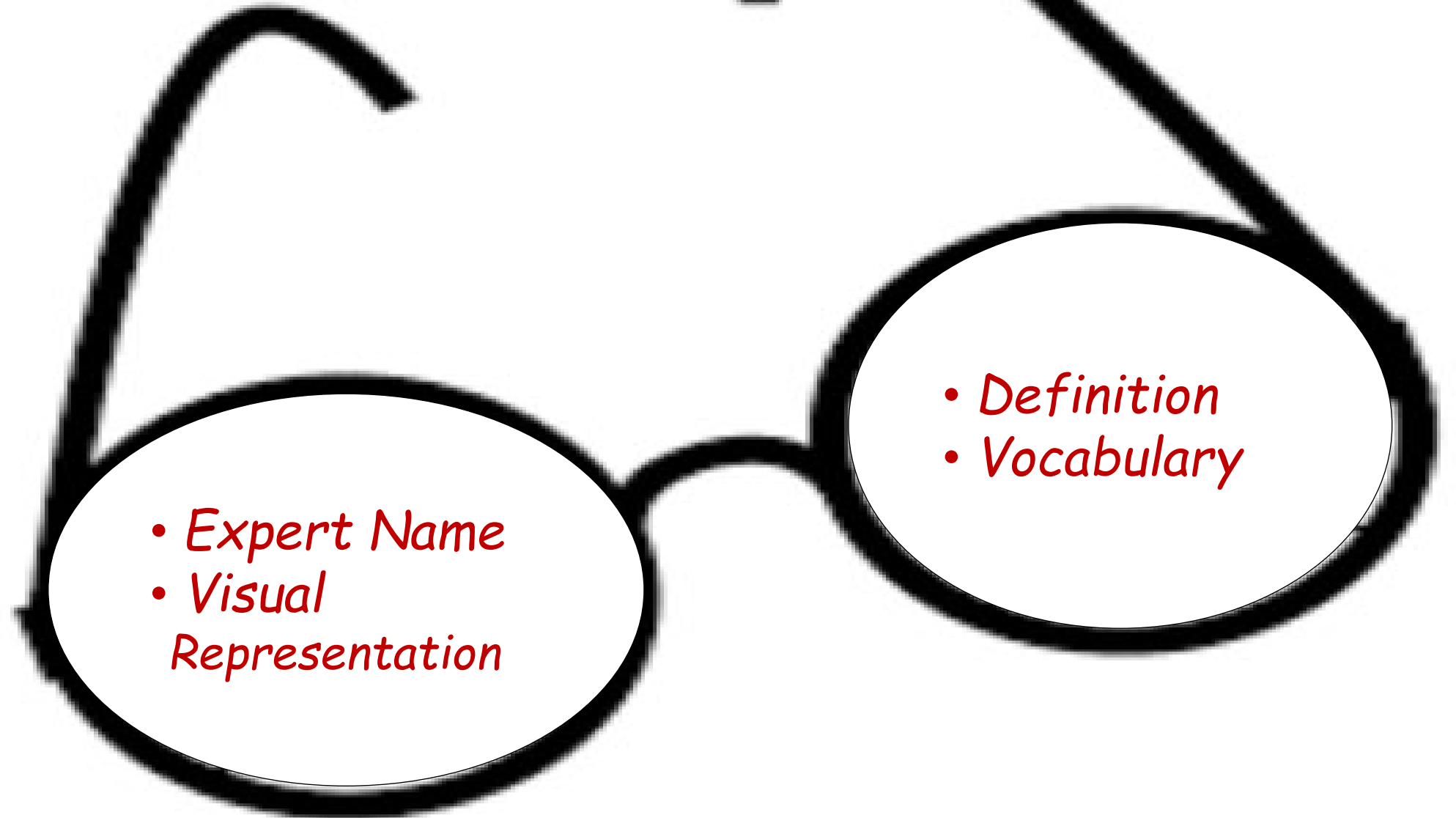
## 2. Determine vocabulary:

- **Quantity**
- **Expression**
- **Calculate**
- **Reasonable**
- **Operation**
- **Algorithm**
- **Solution**
- **Addend**
- **Estimate**
- **Dividend**

*Think about what words and vocabulary you want your students to use (right now). Guide this discussion to include those things.*

*Students can continue to research to identify vocabulary words. You can always add to this list later!*

# CLASSROOM POSTER



- *Expert Name*
- *Visual Representation*

- *Definition*
- *Vocabulary*



# THINK LIKE AN OCEANOGRAPHER...



**A scientist who studies physical and biological aspects of the sea**



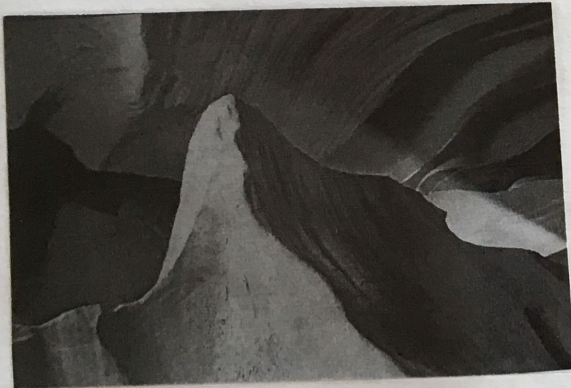
# Think Like an AUTHOR



One who  
practices  
writing as a  
profession



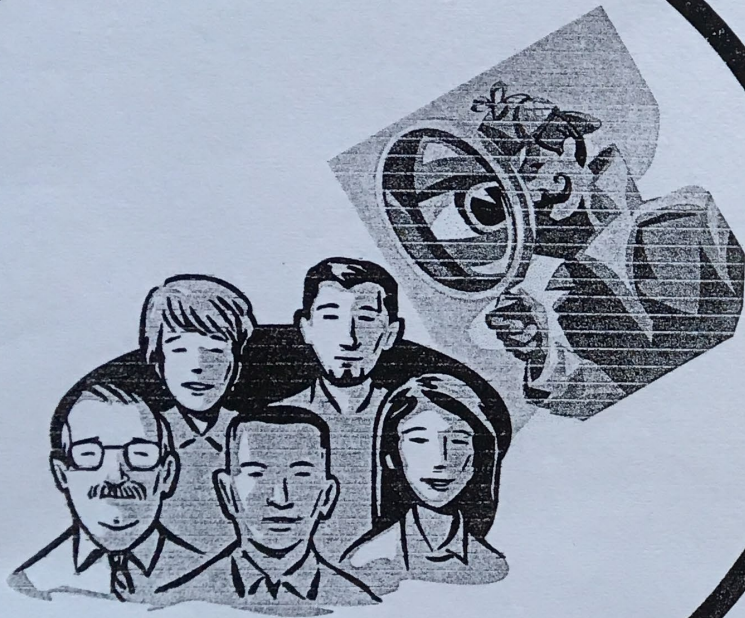
# THINK LIKE A GEOLOGIST...



**A scientist who studies the origin, history, and structure of earth**



# Think Like a **SOCIOLOGIST**



A social scientist  
who studies the  
institutions and  
development of  
human society