



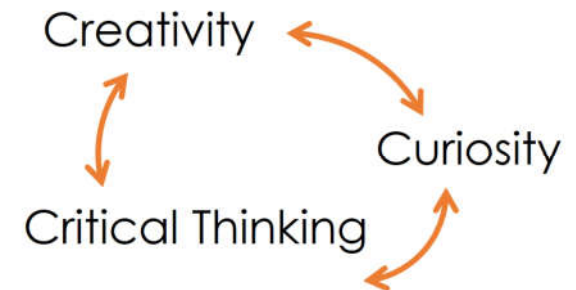
1

develop your own curiosity  
and be able to excite  
curiosity in the minds of  
students through specific  
shared activities

2



3



4

Curious kids are more  
**engaged,**

5

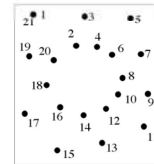
Curious kids are more  
engaged, **remember**  
**more,**

6

Curious kids are more engaged, remember more, and **have more fun.**

7

Mittman and Terrell's  
**Connect The Dots Study**



8

30 Dots	9 Dots	Already Knew The Picture
14 errors	21 errors	31 errors

9

The "high curiosity" group was more likely...

Mittman &amp; Terrell

10

The "high curiosity" group was more likely to report the experiment as fun...

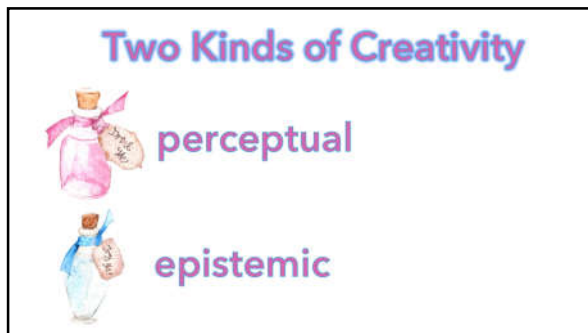
Mittman &amp; Terrell

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The "high curiosity" group was more likely to report the experiment as fun and to **be disappointed when it ended.**

Mittman &amp; Terrell

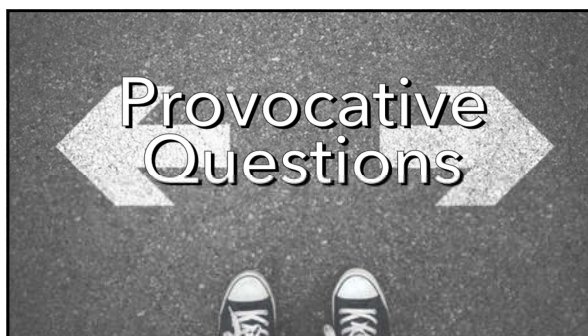
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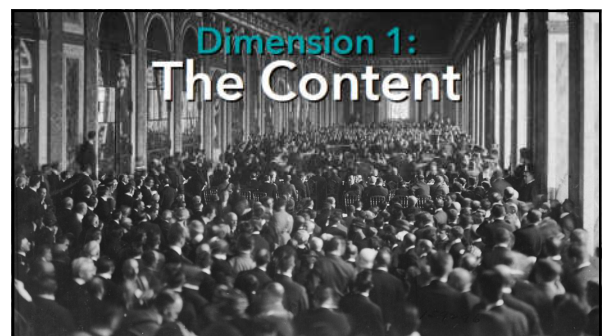
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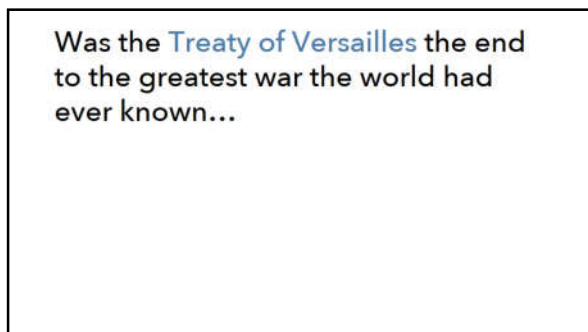
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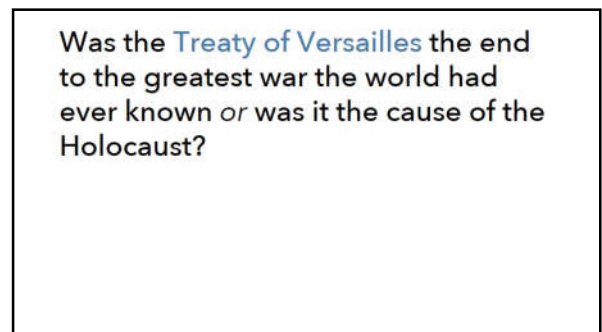
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Curiosity provoker

Formative question

Summative assessment

A later review

19

Is **zero** the weakest number...  
or the most powerful?

20

Does building a **dam** bring order...  
or chaos?

21

Does **oxygen** bring life...  
or destruction?

22

Are animals that live in **the rainforest**  
more evolved or less evolved than  
domesticated animals?

23

Is the **US Constitution** a document of  
freedom... *or restriction?*

24

Finding

# Potentially Provocative Questions

25

-  **Controversy**
-  **Multiple perspectives**
-  **Discrepancy**
-  **Dilemmas**

26

George Washington fought for freedom but owned slaves.

27

Birds fly, mammals walk.  
Penguins walk, bats fly.

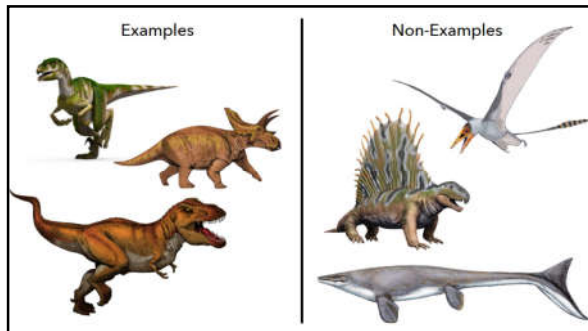
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Provocative Questions

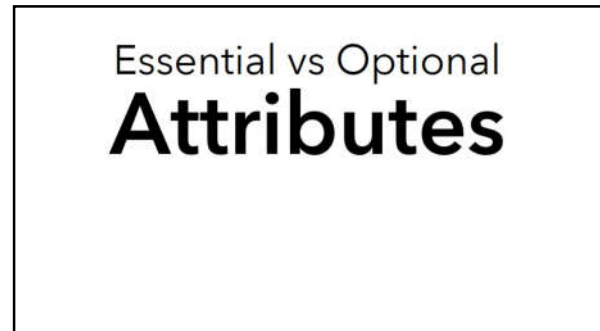
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**SORTING**  
**Examples & Non-Examples**

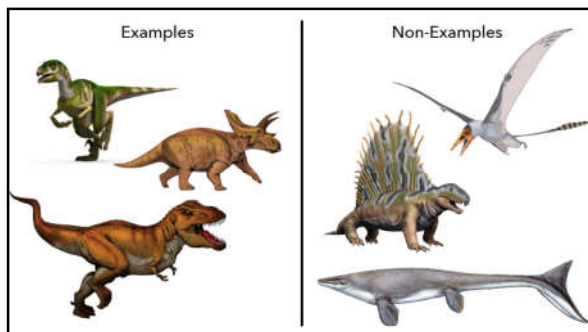
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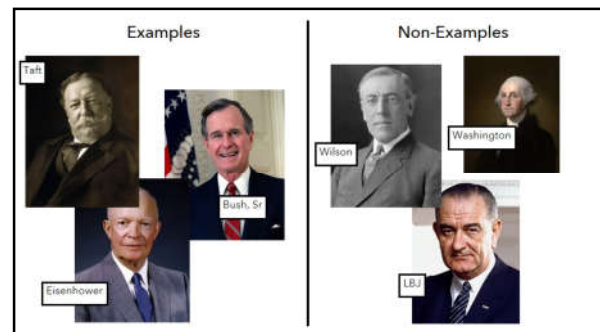
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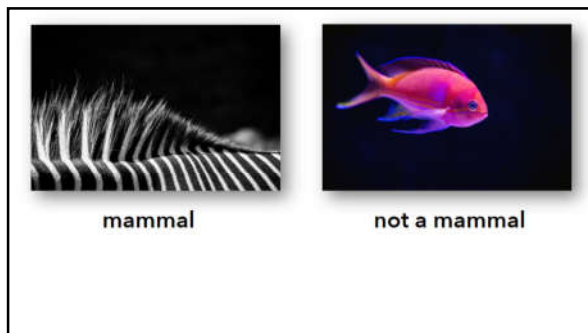


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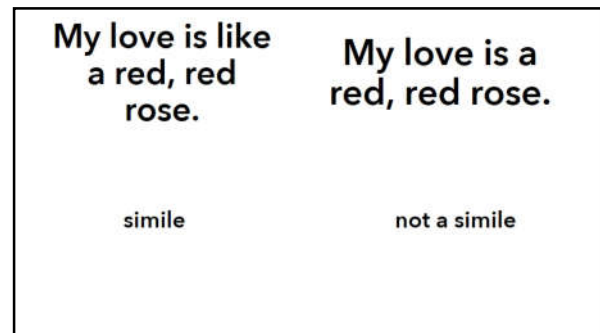


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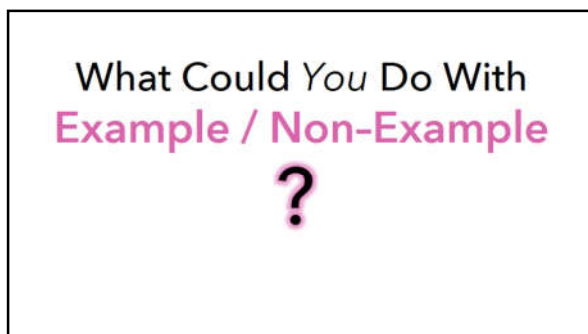




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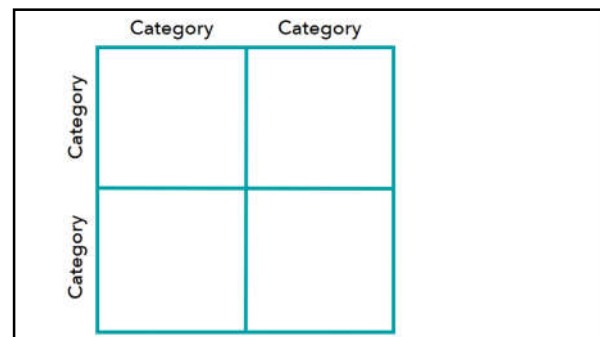
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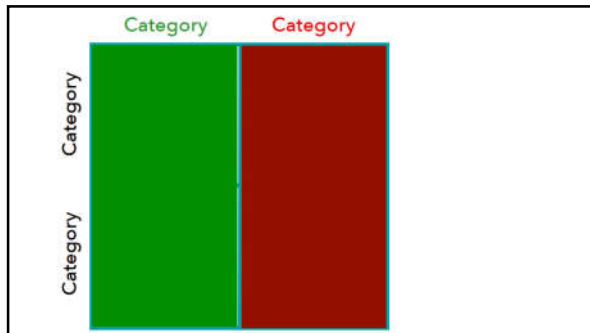
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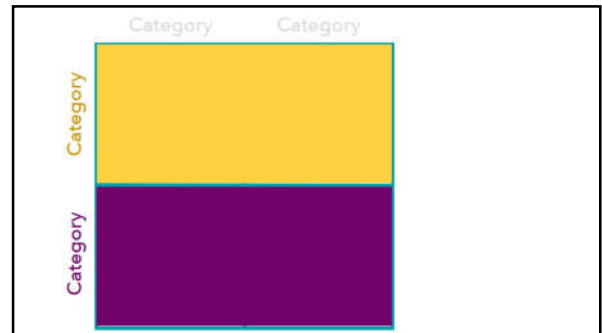
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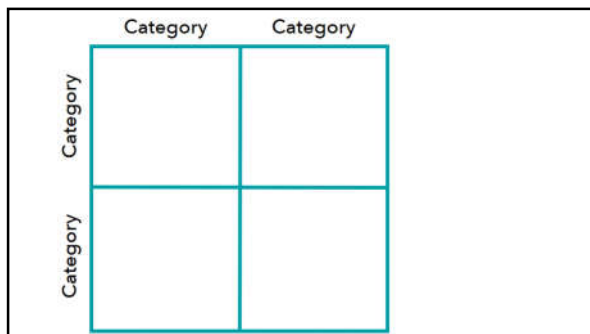
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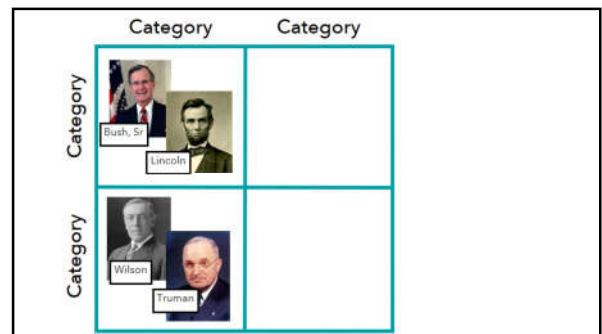
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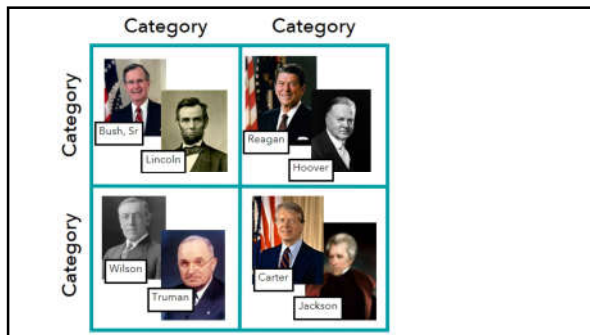
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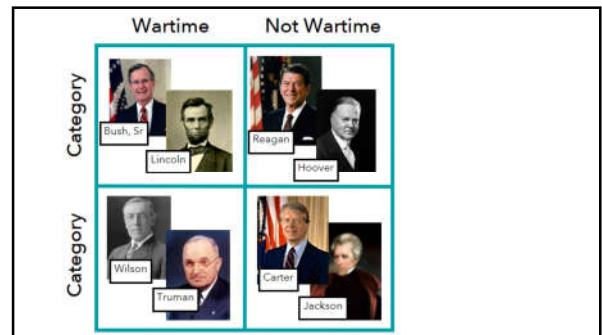
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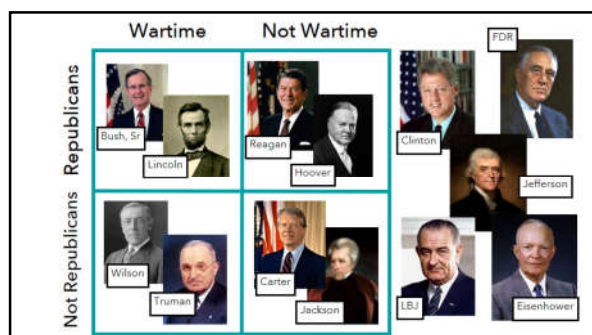


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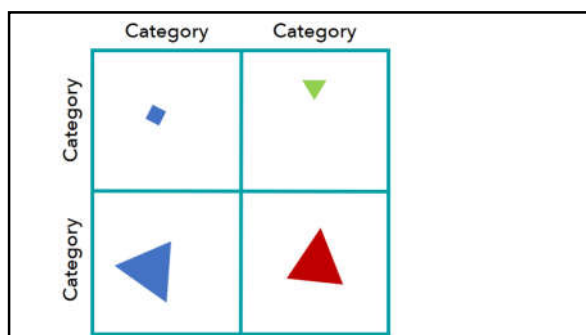


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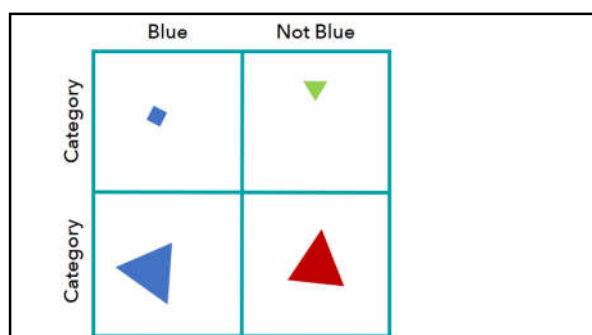




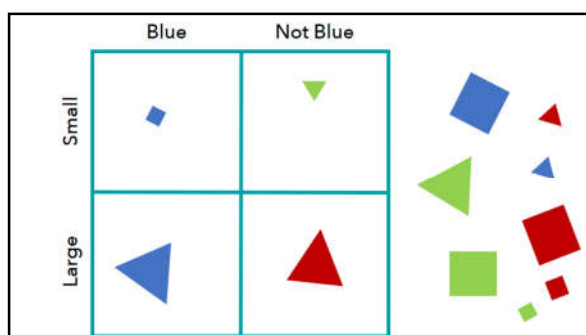
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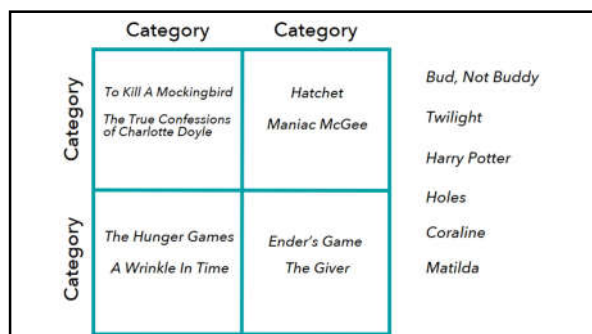
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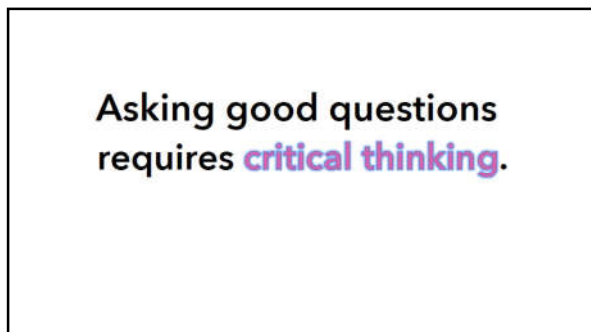
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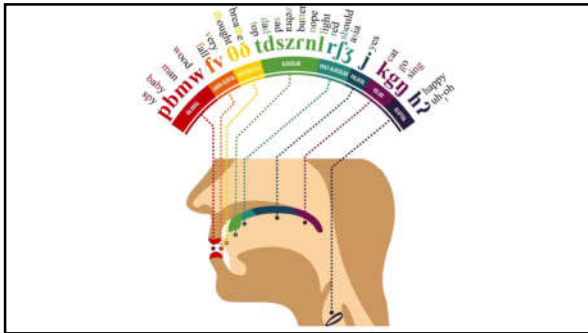
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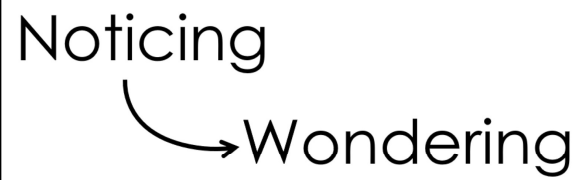
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Questions form when we notice something...

odd.

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# Practice Noticing

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## Create An Information Gap

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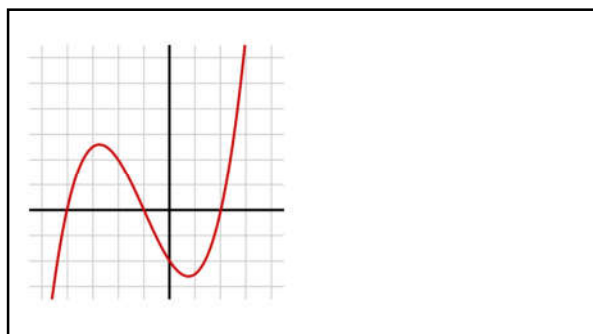
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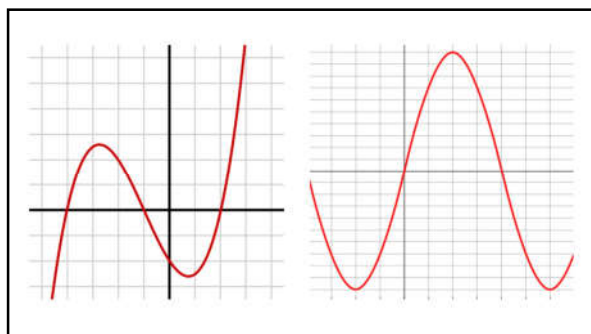
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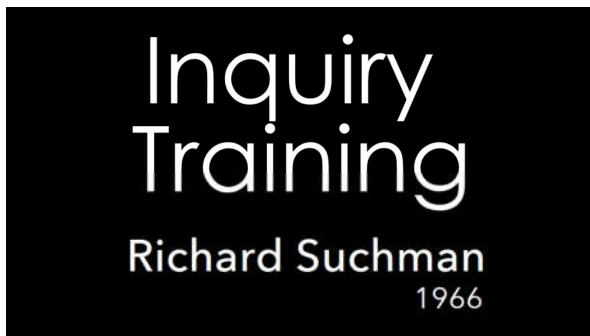




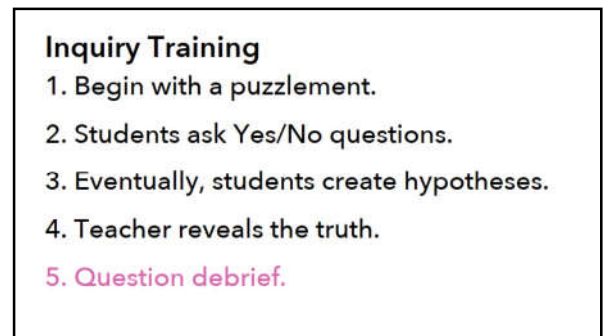
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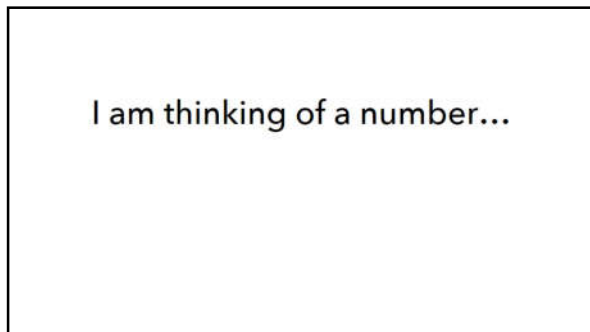
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## Question Debrief

Which question was most useful?  
Which questions were wastes of time?  
Which questions opened up new thinking?  
How will we ask better questions next time?

91

"As Tom Robinson gave his testimony, it came to me that Mayella Ewell must have been the loneliest person in the world. She was even lonelier than Boo Radley, who had not been out of the house in twenty-five years."

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***Why would Romans  
turn against Julius  
Caesar?***

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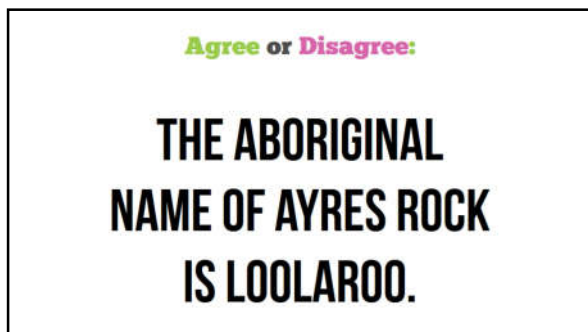
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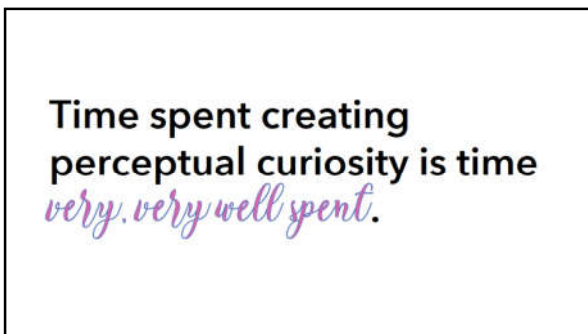
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