

Writing Graphic Organizer: 3-paragraph Essay

3) *The beginning of the number pattern 1, 2, 4, 8 was used by two teachers in separate classes. Teacher A asked, “What is the next number in this pattern?”. Teacher B asked, “What are some possibilities for the next number in this pattern?”. List more than one way this number pattern can be continue and explain your reasoning for each way.*

1,2,4,8,1,2,4,8,1,2,4,...—the list repeats the numbers 1,2,4, & 8 over and over again.

1,2,4,8,16,32,64,128, ...—Double the number to get the next entry in the list.

Discuss the difference between the two questions in terms of expected student responses.

Introduction	Summary of Ideas	Both questions focused on having students find patterns but Teacher B's was much more inviting and engaging.
	Outline	A's had only one answer, right or wrong, and needed only one participant in the class but B's had multiple answers, implicitly inviting interpretation & needed more participation.
Body	Topic Sentence	Teacher B's question was much more open ended and inclusive than Teacher A's.
	Supporting Detail	Teacher A's question had only one answer since there is only one “next number”. Whatever is suggested must be either right or wrong.
	Supporting Detail	Teacher A's question suggests only one person needs to answer. Students may not engage since there is no opportunity for them (one of 30) to contribute.
	Supporting Detail	Teacher B's question suggests there is more than one answer. Multiple answers suggest interpretation.
	Supporting Detail	Teacher B's question suggests that more than one person can and are expected to contribute to the discussion.
	Conclusion or Transition	Teacher B's question is likely to engage more of the class.
Conclusion	Summary of Ideas	The question asking for “what is the next number”, is restrictive whereas Teacher B's phrasing for possibilities is more open ended and inclusive.