S2: Question 3

Conclusion: In conclusion after taking all the correct steps and evaluating everything Correctly your final answer should be

$$
\begin{aligned}
& \left(\frac{-4^{3}}{-2^{3}}\right)^{2} \Rightarrow\left(\frac{-64}{-8}\right)^{2} \\
& -4 \cdot-4 \cdot-4=-64 \\
& -2 \cdot-2 \cdot-2=-8 \\
& \text { (CU } 8^{2}=8 \cdot 8=64
\end{aligned}
$$

Six Point Problem Solving
Context: We are going to evaluate a Numerical Expression that includes Exponents
Observations: Willthin the problem we soc symbols that represent division/froction, ane a symbol that represents a number to be negative. We also see parenthesis and Exponents.
Questions: What would the first step 2 toward solving this equation? What would come first Evaluating the exponent or whats in the ${ }_{3}$ parenthesis?
${ }^{3}$ Does permdas still apply within parenthesis?

Strategies: Firstly you have to take a good look at the problem with the order of operations in mind:

- Evaluate whats within the parenthesis and determine the Product.
- After evaluating multiply the product by itself.

Concepts: In order to understand this problem you must have a Understanding of P.EMD.A.S, Exponents, Negative Numbers, and Fractions/Division

