



Extracting the Information and Question (PoW IQ)

“PoW IQ” stands for extracting the **I**nformation in the problem, and understanding the **Q**uestion.

Information from the Problem (as mathematically as you can)	Calculations or Mathematical Relationships	The Question and Predictions/Considerations

If you get stuck, for the **Information** column, you might:

- Identify and list important information given in the problem:
 - What quantities are given?
 - What terms are important?
 - What constraints are given?

For the **Question** column, you might:

- Predict as much as you can about the final answer:
 - What will the units of the solution be (what will be counted or measured)?
 - What justification is needed/what am I trying to prove?
 - Can I figure out upper and lower bounds?
 - Could the answer be negative? Could it be a non-integer?