

Studying Math and Science

Top Ten Questions to ask yourself while studying Math and Science

- ① Can you determine what is given and what is not given in the practice problem?
- ② Can you come up with at least one strategy for solving the problem?
- ③ If there are multiple possible approaches to the problem, can you determine the conditions under which each approach should be used?
- ④ Can you think of a formula, theorem, or definition that might be relevant to the problem?
- ⑤ Can you “work backwards” and determine what you need to know in order to complete the problem?
- ⑥ Can you find a similar example in your textbook or notes and use it as a model for solving the problem?
- ⑦ Can you break the problem down into smaller parts and relate each section of the problem to the larger whole?
- ⑧ Can you guess or estimate an answer and then try to see if it's correct or nearly-correct? (The method you decide to use to check may be close to the procedure you really need to use).
- ⑨ Should you take a break and return to the problem later?
- ⑩ Can you find someone qualified (instructor, advisor, coach, SASC tutor, teammate, classmate) to help you?