

7. Conclusion

We have investigated the essential ingredients that are required to be a good problem solver. We have identified the types of tasks that we carry out while solving any given problem in mathematics. It is hoped that an understanding of these essentials and the task types would give a student a better grasp on the subject of mathematics and help him improve his problem solving skills. While the discussion has been primarily confined to mathematics, the same can be applied to other branches of science and engineering, with some minor enhancements. One such enhancement could be addition of 'model creation' as a task type. This is an important step in many problems in physics where we construct a free body diagram. It is also hoped that this investigation would help us in building an assessment tool that can identify a student's strengths and weaknesses and hence help him focus on his weak areas.

References

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Author Profile



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