

Section 1: Solving problems

Crucial points

- 1. If you're not sure what to do, try something!**
When you are solving a problem, it may not be immediately obvious what you should do. Don't be afraid to try something just because you think it may not work! Often, trying something that doesn't work helps you to understand the problem better, and leads you to a more useful approach.
- 2. Check any formula you have found**
When you find a mathematical expression to describe a particular situation, make sure that it is correct for a simple example.
- 3. Think about assumptions in modelling**
When modelling a real life situation, always think about the assumptions that you are making, and whether they are realistic.