

# Mathematics: applications and interpretations.

Class protocol.

Most of the lessons will consist in:

1. A short set of definitions upon which the concepts will be built.
2. An explanation of the concepts that lesson deals with.
3. A few clarification examples.
4. A short set of settling exercises.
5. Skill exercises.

This process may take place several times in one lesson due to the fact that many new concepts are based on other concepts that are also new, therefore the basic concepts need to be understood and their associated skills mastered before introducing new ones.

Unless stated otherwise, students are to write down everything that is written in the whiteboard. This does not include full graphs projected with a computer.

Students are allowed and encouraged to interrupt the lesson at any time to ask about **anything** they don't understand that prevents them from following the explanations. They will do so by raising their hand.

During the explanations and specially during the clarification examples, the students will be asked directly. They are expected to provide an answer based on what has been explained. Whether the answer is correct or not is not important.

During the skill exercises the students may be asked to work alone or in pairs. Conversation must be held at minimum volume in order to avoid distracting other students who require concentration.

It is the student's responsibility to master all previous knowledge required for each unit. A list will be provided before each unit starts.

Students are responsible for bringing the following materials to class:

- A pen
- A pencil
- An eraser
- A notebook. The notebook must be at least DIN A4 size and have squared paper.
- A short ruler (20 cm is enough)
- An approved graphical display calculator.