

1. National Research Coordinator's Comments (English)

- [00:00:10](#) The beginning of the lesson is usually signaled by the bell, however this part wasn't videotaped in this lesson. The students usually greet the teacher by standing up, however in this video it wasn't required by the teacher. At the beginning of the lesson, the teacher writes in the class book names of the students who are absent. After that, the teacher usually states the goal of the lesson consisting only of statements of the topic that will be covered. The teacher also writes the lesson number and the date of the lesson. Students copy this information into their notebooks, as well. Some teachers are very particular about the form of student's notes. They direct the students to underline the goal or they explicitly state whether the date should be noted in written or numeric format, etc. In this particular class, the teacher did not waste time with the formality and went straight to lecturing.
- [00:00:28](#) At the beginning of the lesson the teacher ask students to put their backpacks away. The teachers don't want students to trip over them when they're walking up to the board.
- [00:00:56](#) The teacher tries to make sure that all students know and understand the mathematical terminology. Many times, commonly used mathematical terms are repeated and reviewed during the lesson. Also, the introduction of new content often starts with review of already known topics. Priority of mathematical operation is one of the commonly reviewed concepts.
- [00:02:58](#) In this lesson, the students are being assigned a variety of problems based on their difficulty. They are usually divided into two groups so the students who are sitting next to each other are in different groups. This is to ensure that students are not copying solutions from their neighbor and instead solving problems on their own.
- [00:05:37](#) The teachers call students up to the board where they neatly write solutions. When all students are finished, they go over solutions all together.
- [00:09:08](#) The entire class loudly recites the answers. This is more common in the lower school grades. Sometimes the teachers like to use this method to engage all students.
- [00:16:06](#) In this particular video, the students are frequently complimented to stimulate their interest. This is not very typical among Czech teachers as the teachers tend not to praise the students. Instead, feedback generally takes the form of pointing out mistakes and errors.
- [00:16:41](#) The teacher starts to practice and review the topics previously covered. However this review also serves as preparation for working with new topics. The difficulty of new content will be slightly higher. Very often the review leads into the introduction of new content.

- [00:17:45](#) The teacher puts a large emphasis on using proper mathematical language. She believes that if students use the correct terminology, they will be able better realize and understand the mathematical rules.
- [00:22:44](#) In the first part of the lesson, students were given assignments that were on index cards. Then she handed out small strips of paper, which will be used to solve the problems. This way, they don't have to copy all the assignments in their notebooks. This is not very typical. In most of the lessons, students of this age work mostly with the blackboard, notebook and textbook.
- [00:28:53](#) Students are given assignments, and the teacher walks around the classroom to check how the students are proceeding. Unless students ask for help, the teacher leaves the students to work on their own. They help students who have problems with solving the problems.
- [00:34:49](#) Most of the time, the students check their solutions on their own. Some teachers ask students to exchange their notebooks with their classmate to check their solutions. Verifying the solutions in groups is rather untypical.
- [00:40:20](#) In this particular lesson, the teacher is focusing on going over the homework assignment with the entire class. In most cases, teachers don't go over homework during the lesson. Homework is usually collected and corrected outside the class. Later it is returned to students. Typically, homework assignments are mandatory and students don't have any choice about whether they will do the homework or not. This is not the case in this particular lesson.
- [00:43:22](#) Official announcements through the public address system are not very frequent. Usually they occur at the very beginning or end of a lesson. This is because the school directors do not want to interrupt the lessons. Announcements are usually very brief.
- [00:44:17](#) At the end of a lesson, teachers assign the homework. It is quite common for students to finish the assignment they started to work on during the class. Almost never are the students allowed to start working on homework during the lesson.