Visual Mathematics in Practice

Name of the teacher:	Valentina Kreculj Terjeskova
Name and address of the school:	Branko Radicevic Grammar and Economics School Cara Lazara Kovin Serbia
Theme of the lesson:	Mathematical Modeling of Teaching
Place in curriculum: (type of school, grade)	High school,first grade
Age of the students/pupils:	fifteen
Title of the lesson:	Numbers

Description of the lesson

Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
5min. 10min. 20min.	*When students enroll the first grade, it would be good to clarify and establish some basic knowledge.* *One of the first lessons will be next: show them these tools and ask them to try to think for what do they serve.* *I will explain the role and manner of use of these tools .* ▸ *Addition of positive integers and the positional number system - ruler* ▸ *Addition of integers and solving equalities and inequalities using- circuit* ▸ *To present angles or fraction - circular clip* ▸ *Divisibility of numbers, squaring, calculating area of the figure- multiplication table of integers* *We will discuss about the way they learned these lessons about summation integers, multiplying integers and about calculating fractions in primary school.*	*individual work, work in groups, project work*	*PRESENTATION spatial seeing, perception of spatial relations, MATHEMATICAL COMMUNICATION relation vocabulary, reasoning,narrative memory, textual understanding, reading, attention keeping USING MATHEMATICAL TOOLS guessing, quantitative conclusion, measuring, deductive and*

10min.	*I will suggest that each student can make the tool, which he thinks that he needs. l will help them if they need some material. I will share already-made examples of the tasks that will be solved using these tools.*		*inductive thinking, algorythmical thinking*

Summary

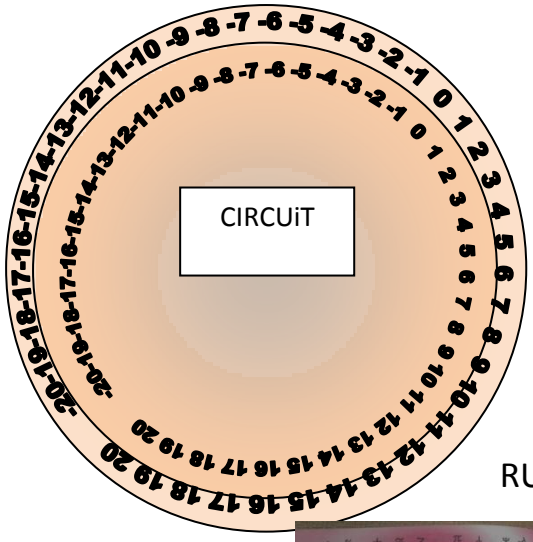
These tools was applied in small groups or in individual work with students who have had problems with math. I think it was very usefull for students .Very often, after we "played" with the tools, they would say it is strange that they previously did not understand it .

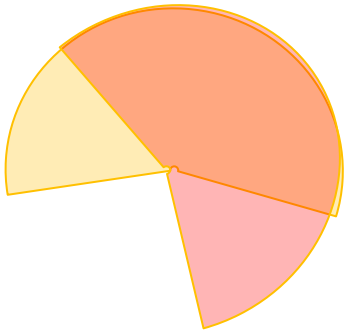
Supplements

Used materials:

CIRCULAR CLIP

Photos:





RULER