

Visual Mathematics in Practice



Name of the teacher:	Andjelka Simic
Name and address of the school:	High School "Branislav Petronijevic" Ub, Serbia
Theme of the lesson:	Isometric transformations
Place in curriculum: (type of school, grade)	High school, first grade
Age of the students/pupils:	15
Title of the lesson:	Symmetry

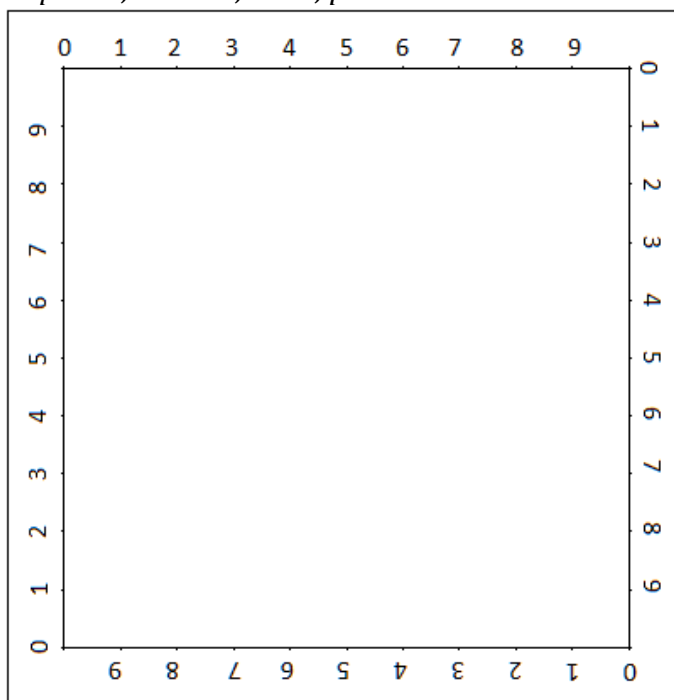
Description of the lesson			
Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
15 min	<i>Teacher asks questions about symmetry that was made in the previous lesson. Students give examples of symmetry in real life.</i>	<i>Frontal instruction</i>	<i>creativity, planning, looking for connection, deductive and inductive thinking, attention keeping communication</i>
25 min	<i>After that, the teacher gives instructions for the exercise. Students connect numbers on paper. They connect two numbers of their own choice, on the adjacent or opposite sides, e.g. they connect 5 and 2, and apply same rule to all numbers 5 and 2 in circular direction. They colour polygons that are not adjacent or some other pattern they recognize. On the resulting drawing, students observe symmetry.</i>	<i>individual work</i>	
5 min	<i>Students compare their drawings and show symmetry.</i>		

Summary

Students have been pleasantly surprised and motivated to work. Time has passed in creativity. Inspiration came from workshop by Andjelka Mustur on Family day in the Summer School.

Supplements

Used materials: *paper with squares, scissors, ruler, pencil*



Photos:

