

Visual Mathematics in Practice



Name of the teacher:	Nebojša Nikolić
Name and address of the school:	Primary school „Sreten Lazarević” Ivanjica, 32252 Prilike, Serbia
Theme of the lesson:	Pythagoras and fractals
Place in curriculum: (type of school, grade)	Primary school, seventh grade
Age of the students/pupils:	13 years
Title of the lesson:	Pythagoras and fractals

Description of the lesson

Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
10 minutes	<i>What are fractals? Where can we find fractals in nature? Examples of fractals in nature. Repeat the Pythagorean theorem.</i>	<i>Individual work, work in pairs.</i>	<i>Problem representation, originality, creativity, planning, looking for connections, image creating skills, recognising relations.</i>
30 minutes	<i>What is Pythagorean tree? How can we make one? Make your own fractal in form of Pythagorean tree.</i>		
5 minutes	<i>Pupils make comments of each other works.</i>		

Summary

Pupils comments:

- *This was interesting.*
- *I have never heard about fractals before. It is quite interesting lesson.*
- *It was fun.*

Supplements

Used materials:

- Printed papers, crayons, rulers.

Photos:



