

Visual Mathematics in Practice

Name of the teacher:	Dejana Vojinović
Name and address of the school:	Primary School "Lazar Savatić" Kej oslobodjenja 27, Zemun
Theme of the lesson:	Prime factorization
Place in curriculum: (type of school, grade)	Primary School, 5 th grade
Age of the students/pupils:	11-12 years
Title of the lesson:	Number 1001

Description of the lesson			
Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
15 minutes	Topics of prime numbers introduced through the Tale of Sheherezada, Arabic Nights and number 1001	Children were asked to tell something they know about Arab culture and mathematical heritage	Drawing children's attention to different parts of the world and their contribution to the science and way of living

<p>65 minutes</p>	<p>Solving problems focused on the number 1001</p>	<p>Giving ideas and finalizing proposed solutions</p>	<p>Identifying problems that are related to prime factorization, excersising and deduction</p>
<p>10 minutes</p>	<p>One of the problems is used to tell the tale of Baobab , little Prince and Madagaskar, keeping the line of the global perspective begun with the story of Arabic night from the first part of the class</p>	<p>Participating in the discussion</p>	<p>The students were advised not to be narrow minded and to embrace every opportunity to correlate their knowledge from different areas</p>

Summary

The class was realized in the group of school children of the 5th grade who are interested in additional mathematical work and who were preparing themselves for taking part in different mathematical competitions. Chosen exercises are of higher difficulty level. Extra classes like this one usually lasts for 90 minutes.