



RATE AND RATIO WITH ICT TOOLS

SECONDARY SCHOOL , ADANA, TURKEY
TEACHER: HUSNE YALKUT

LESSON PLAN: RATE AND RATIO

RESOURCES: LESSON BOOK
INTERNET, ONLINE TOOLS

LEVEL: **SECONDARY SCHOOL**

LESSON NUMBER: **1**

AGE OF STUDENTS: 13,14

UNIT: **NUMBERS**

SUBUNIT: **RATE**

GENERAL GOALS:

Students will enhance their knowledge to find the rate of something in a given various quantities and to identify the value of other when the quantity is in the value of 1.

VOCABULARY covered during the lesson:

Rate, ratio, increase, decrease, chart, graphic, equality, direct proportion and inverse proportion

Expected vocabulary: question, sample, real life, multiplicity

REQUIRED PRE KNOWLEDGE:

Rate, multiplicity, simplification, general knowledge and making comparison by dividing

SPECIFIC OBJECTIVES (specify skills / information that will be learned):

Students will learn how to make a rate between 2 quantities

Students will know that 2 equal rates will make a ratio.

They will have a better understanding in the numeral relationship between the quantities in real life.

MATERIALS NEEDED:

- blackboard
- computers
- internet

OTHER MATERIALS NEEDED: (realia, apps or programs):

- voki
- simplemind
- geogebra
- powerpoint

TEACHER	STUDENT
<p>LEAD IN:</p> <p>Do we use rate and ratio in our daily lives? Let's watch a shopping video on the net. How much Ahmet will pay when he buys 5 kg of orange from the greengrocers when 1 kg of orange is 3 Turkish liras? Just think please. Do we come across such questions in our daily lives? Can you give any examples of them in our daily lives?</p> <p>ACQUISITION OF KNOWLEDGE:</p> <p>Asking questions to the students by using the related programmes about the subject. Being able to run the ICT programme voki on the computer. Ask them to answer my questions.</p> <p>I ask them the ratio and rate questions that are interweaved with geogebra and geometry. Let's rate the radius of a circle.</p> <p>I ask them to open their course books. Let them examine the examples in the course book. Ask them to create similar questions to them.</p>	<p>Students will watch the video. They will make comments on rate. They will try to give examples of rate from their daily lives.</p> <p>They say that they use this knowledge when they use a map in their social studies lessons.</p> <p>The students listen to the question. It is the plurality of the rate. It is the comparison of dividing to each other. The student answers the question by using this knowledge.</p> <p>The students answer the questions easily when they see the figures.</p> <p>The students see the similar questions in the course book and answer the questions by using rate and ratio.</p>