



Math lesson plan

Hurriyet Primary School Dalaman-Turkey

SUBJECT: Numbers, Calculation, Problems involving Money, income and budget management.

AGE GROUP: 10-11

TIME: 40 minutes

OBJECTIVES: The Students will be able to;

- Read the basic income table
- Use a list to work systematically
- Devise and use problem solving strategies to explore situations mathematically (systematic list, use equipment)
- Understand the info of the table and use the info while solving problems

WARM-UP: (10 minutes)

Begin the lesson by asking students to think money. Ask the students; Do you know the meaning of obligatory expenses? What is the meaning of income? How much do you spend for a day? What kind of expenses do you have in a week? Are all your expenses obligatory or not? If you would like to buy something, what do you do? What do you need to do for saving money and get what you wish?

PRESENTATION: (30 minutes)

Income of a student who works part time; She earns 400 TL for a week.

Days	Food expenses	Transportation	School	Shopping
Monday	10	5	3	10
Tuesday	10	5	3	10
Wednesday	10	5	3	10
Thursday	10	5	3	10
Friday	10	5	3	10
Saturday	10	5		10
Sunday	10	5		10

Take the students interest to the expenses of the students. Make the students take into account the income of the students and his budget for the expenses.

Make the students create their own income table like this and talk about it. Ask students if they understand how they use math all the time especiall while calculating their income and expenses. Have them pick partners. Then have each pair make up one word problem focusing

Money and income. The problems should give students practice working on addition, subtraction, multiplication, fractions and calculating their income. Have students write their problems on a piece of paper or on a transparency so they can present to the class. After they have written the problems, have them prepare their own solution in the form of an equation or equations, as well as a written explanation of the steps they used to solve the problem. Have each pair present its problem to the class. Have the presenting pair lead a discussion about the steps needed to solve the problem. Then they can reveal their own solutions.

HOMEWORK: (5 minutes)

Problems;

Income of a student who works part time; She earns 400 TL for a week.

Days	Food expenses	Transportation	School	Shopping
Monday	10	5	3	10
Tuesday	10	5	3	10
Wednesday	10	5	3	10
Thursday	10	5	3	10
Friday	10	5	3	10
Saturday	10	5		10
Sunday	10	5		10

1- According to table expenses, After calculating the all expenses and income, How much money is there left for the students?

2- Food and transportation expenses are obligatory but the others are not. So How much does he spend for his obligatory expenses ?

3- This student wants to buy a bike for himself in one year by controlling his income and expenses. In this case how much money does he put a side for buying the bike in a year?

Evaluation: Use the following three-point rubric to evaluate how well students listened in class, participated in class discussions, and were able to apply what they learned to write their own word problems.

- **Three points:** very attentive during class; actively participated in class discussions; and applied what they learned to write accurate, interesting word problems.
- **Two points:** somewhat attentive during class; showed some involvement during class discussions; and applied what they learned to write satisfactory word problems.
- **One point:** not attentive during class; showed little involvement during class discussions; and had difficulty applying what they learned to write their own word problems.



