

Math lesson plan

Hurriyet Primary School Dalaman-Turkey

SUBJECT: Numbers, Calculation, Problems involving money

AGE GROUP: 10-11

TIME: 40 minutes

OBJECTIVES: The Students will be able to;

- Discuss how to solve word problems involving money and budget
- Work as a class to solve word problems focusing on addition, subtraction, multiplication, and simple fractions.
- Work with a partner to make up their own word problems

WARM-UP: (10 minutes)

Begin the lesson by asking students to think about how time and money are used in their daily lives
Students may suggest the following:

- Amount of time it takes to get to soccer practice
- Amount of time they are supposed to practice their musical instrument
- The times school starts and ends
- How much money they have for buying gifts
- How much money they need to save to buy a new toy

PRESENTATION: (30 minutes)

Explain to students that they use math every time they figure out how much time or money they have, spend, or need. During this lesson, students will be working together to apply the math skills they already know (addition, subtraction, multiplication, and fractions) to solve real-life problems about money and time. They will begin by working as a class to solve word problems about money and time. After practicing, students will work with partners to apply the same writing and math skills as they prepare their own word problems involving either time or money

Problems;

Problem 1: You should buy a notebook, a ruler, a pencil, and an eraser for math class. The notebook costs 3 TL, the ruler 2TL, the pencil 4 TL, and the eraser 3 TL for your new office. How much Money do you need for buying those items in total amount?

Ask students how they would solve this problem. First, discuss which operation they should use. Point out that the words "the total amount" usually means "addition"

Follow steps with your students to solve this problem:

- To find out how much money you need, add up the following:

3TL

2TL

4TL

3TL

12 TL

HOMEWORK: (5 minutes)

Problem 2: You want to earn your own money and you are good at preparing lemonade. You have an idea and you decide to prepare lemonade and sell the lemonade in front of the park. You know that you need 5 kg lemons, 7 kilos of sugar and 5 litres of water for preparing the lemonade. The kilo of lemon is 10 TL, the kilo of sugar is 6 TL. How much money do you need in total amount for getting ready for preparing lemonade?

Problem 3: You go to the market for buying some materials for your new enterprising idea. For creating felt wallets, you need felt, scissors, ornaments and string. The packet of colourful felt is 50 TL, the scissors are 5 TL, the string is 10 TL and ornaments are 15 TL. How much money do you need for creating felt wallets in total?

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.

- **Three points:** very attentive during class; actively participated in class discussions; and applied 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.