

SUBTRACTION OF WHOLE NUMBERS

Subject

Mathematics

Prepared By

[Instructor Name]

Grade Level

5

Overview

This lesson plan covers teaching content for;

1. Solving problems involving subtraction

Objectives

Students should be able to;

1. Know basic definitions of minuend, subtrahend and differences to the terms numeral, digit, and whole number.
2. Subtract multi-digit whole number.
3. Determine the operation necessary to solve word problems

Activity Starter/Instruction

1. Discuss the number system and introduce the definitions of a numeral, digit, and whole number. Ask pupils for examples as you identify a term.
2. Work through examples with the class by asking them to identify the digits in particular place values for numerical examples.
3. Introduce subtraction and the terms minuend, subtrahend and difference.
4. Work through basic examples with no borrowing.
5. Put an equation on the overhead that requires borrowing, ask students for ideas on how to solve.
6. Discuss the concept of borrowing and work through prepared examples.
7. Pose an equation that has a 0 in a place value that needs to be borrowed from, ask students for ideas how to solve.
8. Discuss borrowing across columns and work through prepared examples.

Teacher Guide

Day 1/ Lesson 1: 15 Mins

1. Have your pupils set up 10 plastic Cups against a wall {5 cups, then 4, then 3, then 2, and then 1}.
2. The first player rolls the ball toward the Cups.
3. The first player counts how many cups were knocked over and records that number on their recording sheet.
4. Using one of the strategies we've practiced {counting back, number line, draw a picture}, they find out how many cups were not knocked down {It's their partner's job to make sure they don't *cheat* and just count the pins not knocked over and actually subtract}.
5. The pupil can check their answer by counting how many cups were not knocked down.
6. Now it's player two's turn! Keep taking turns until each player has had 10 turns.

Materials Required

- White board
- Marker
- Plastic cups
- Balls

Additional Resources

- https://betterlesson.com/lesson/502663/subtracting-numbers?from=mtpl_lesson
- <https://www.math-only-math.com/worksheet-on-whole-subtraction.html>
- <https://www.common sense.org/education/lesson-plan-whole-subtraction-4th-grade>
- http://www.teach-nology.com/lessons/lsn_pln_view_lessons.php?action=view
- <https://www.education.com/lesson-plan/whole-body-subtraction>

Additional Notes

Guided Practice

Day 2/ Lesson 2: 15 Mins

1. Mr. Reed owns 500 books. He donates 217 books to the school library. How many books does Mr. Reed have left?
2. Remind pupils of why this is a subtraction problem. Mr. Reed is giving something away, therefore, we subtract. Also, remind the pupils that when we subtract, we line the numbers up according to place value.
3. Explain to the pupils that they have to regroup from the hundreds place because the ones place and tens place both have zero. The hundreds place becomes a 4, and the tens place now becomes 10.
4. There is still nothing in the ones place. Now, we can regroup from the tens place. The 10 becomes a 9 and the ones place becomes a 10.
5. Subtract the problem on the board for the students to see.
10 ones - 7 ones = 3 ones.
9 tens - 1 tens = 8 tens
4 hundreds - 2 hundreds = 2 hundreds
6. The answer to this subtraction problem is 283. Check the subtraction problem with the inverse operation of addition.

Guided Practice

Day 3/ Lesson 3: 20mins

1. Jessica has {~~N~~1000} to spend in the video game store. She buys a used game for {~~N~~550}. How much money does she have left over?
2. Underline operation key terms and {bracket} important numbers.
3. Ask: What is this question asking me to do? (How much did she have left over?).
4. Write a number sentence (1000 - 550).
5. Rewrite the problem vertically.
$$\begin{array}{r} 1000 \\ - 550 \\ \hline 450 \end{array}$$
6. Solve and write the answer in naira. Jessica has ~~N~~450 left over.

Summary

1. Ask for volunteers to share their answers to the problems assigned.
 2. As the problems are reviewed in front of the class, have the students check their answers for accuracy
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Assessment Activity

Pick pupils randomly to share their answers to the activities.

Assessment Activity

Assess if pupils can:

1. Solve problems involving subtraction of whole numbers correctly.
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