# Introduction to Subtraction with Regrouping

**Student Name:** _____

**Class:** _____

**Due Date:** _____

## Introduction

Subtraction with regrouping is a fundamental concept in mathematics that involves borrowing from one place value to another to perform subtraction operations. This homework assignment is designed to support classroom learning objectives by providing students with opportunities to practice and apply subtraction with regrouping to solve multi-digit problems with numbers up to 3 digits.

**Worksheet 1: 2-Digit Subtraction with Regrouping**

1. 45 - 27 =

2. 93 - 49 =

3. 75 - 32 =

4. 56 - 29 =

5. 98 - 43 =

6. 67 - 35 =

7. 82 - 59 =

8. 49 - 27 =

9. 93 - 68 =

10. 75 - 49 =

**Worksheet 2: 3-Digit Subtraction with Regrouping**

1. 247 - 147 =

2. 375 - 217 =

3. 542 - 375 =

4. 945 - 678 =

5. 753 - 492 =

6. 982 - 753 =

7. 117 - 93 =

8. 756 - 549 =

9. 945 - 819 =

10. 753 - 627 =

**Worksheet 3: Mixed 2-Digit and 3-Digit Subtraction with Regrouping**

1. 98 - 43 =

2. 247 - 147 =

3. 75 - 32 =

4. 375 - 217 =

5. 56 - 29 =

6. 542 - 375 =

7. 93 - 49 =

8. 945 - 678 =

9. 82 - 59 =

10. 753 - 492 =

## Activity 2: Real-World Applications

**Scenario 1: Tom's Pencils**

Tom has 247 pencils in his pencil case. He gives 147 pencils to his friend. How many pencils does Tom have left?

**Scenario 2: Bookshelf**

A bookshelf has 375 books on it. If 217 books are removed, how many books are left on the bookshelf?

**Scenario 3: Bakery**

A bakery has 542 cupcakes in stock. They sell 375 cupcakes in a day. How many cupcakes does the bakery have left?

## Activity 3: Word Problems

**Problem 1: Sarah's Money**

Sarah has $250 in her piggy bank. She spends $147 on a new toy. How much money does Sarah have left?

**Problem 2: Water Tank**

A water tank can hold 375 liters of water. If 217 liters of water are already in the tank, how much more water can be added?

**Problem 3: Candy Sharing**

A group of friends want to share some candy. If they have 542 pieces of candy and each friend gets 147 pieces, how many pieces of candy are left over?

# Extension Activities

**Activity 4: Create Your Own Word Problems**

Create 5 word problems that involve subtraction with regrouping. Solve each problem and exchange with a partner to check answers.

**Activity 5: Subtraction with Regrouping Games**

Play the following games to practice subtraction with regrouping:

- "Subtraction War" - a card game where players compete to solve subtraction problems with regrouping.
- "Regrouping Bingo" - a bingo game where players solve subtraction problems with regrouping to mark numbers on their bingo cards.

## Success Criteria

To successfully complete this assignment, students should:

- Accurately solve subtraction problems with regrouping using the regrouping method.
- Show all work, including the regrouping process, for each problem.
- Complete all activities, including worksheets, real-world applications, and word problems.
- Demonstrate an understanding of the concept of subtraction with regrouping and its application to real-world problems.

## Parent/Guardian Notes

To support your child's learning, please:

- Encourage your child to read each problem carefully and show all work.
- Provide guidance on the regrouping method, if necessary.
- Assist your child in checking their answers to ensure they are reasonable.
- Encourage your child to ask questions if they are unsure about any part of the assignment.
- Provide a quiet and comfortable workspace for your child to complete the assignment.
- Encourage your child to take breaks and manage their time effectively to complete the assignment within the estimated time frame.

## Time Management Guidelines

To complete this assignment within the estimated time frame, please allocate the following time for each activity:

- Activity 1: 5-7 minutes per worksheet
- Activity 2: 5-7 minutes per problem
- Activity 3: 5-7 minutes per problem
- Extension Activities: 10-15 minutes per activity

## Self-Assessment Opportunities

To self-assess their understanding, students should:

- Check their answers to ensure they are reasonable.
- Review their work to ensure they have shown all steps, including the regrouping process.
- Reflect on their learning and identify areas where they need more practice or review.
- Ask questions if they are unsure about any part of the assignment.