# 1st Grade Math: Adding Two-Digit Numbers and One-Digit Numbers With Regrouping

**Objective:** Students will learn how to add a two-digit number and a one-digit number, as well as add two-digit numbers together, when regrouping is necessary.

## Introduction

In this lesson, we will explore how to add two-digit numbers and one-digit numbers using regrouping. Regrouping is important when the sum of the digits in a place value exceeds 9, requiring us to carry over to the next place value.

# Adding a Two-Digit Number and a One-Digit Number With Regrouping

- 1. Understanding the Problem:
  - A two-digit number has a tens place and a ones place.
  - For example, in the number **27**, **2** is in the tens place, and **7** is in the ones place.
- 2. Example Problem:
  - **Problem: 27 + 5**
  - **Step 1:** Write the numbers in a column:

lu		🗗 Copy code
	27	
	+ 5	

- Step 2: Add the ones place:
  - 7 (from 27) + 5 = 12
  - Since 12 is greater than 9, we need to regroup.
  - Write down 2 (the ones place of 12) below the line and carry over 1 to the tens place.
- Step 3: Add the tens place:
  - 2 (from 27) + 1 (the carried over 1) = 3
- Step 4: Combine the results:

lua	🗗 Copy code
27	
+ 5	
32	

- Answer: 27 + 5 = 32
- 3. Practice Problems:
  - Provide students with similar problems to solve:
    - 34 + 9
    - 56 + 5
    - 48 + 3

### Adding Two-Digit Numbers With Regrouping

- 1. Example Problem:
  - Problem: 47 + 36
  - Step 1: Write the numbers in a column:

lua	🗗 Copy code
47	
+ 36	

- Step 2: Add the ones place:
  - 7 (from 47) + 6 (from 36) = 13
  - Since 13 is greater than 9, we need to regroup.
  - Write down 3 below the line and carry over 1 to the tens place.
- Step 3: Add the tens place:
  - 4 (from 47) + 3 (from 36) + 1 (the carried over 1) = 8
- Step 4: Combine the results:



• Answer: 47 + 36 = 83

#### 2. Practice Problems:

- Provide students with similar problems to solve:
  - 29 + 14
  - 53 + 27
  - 65 + 28

#### Hands-On Activity

- Using Manipulatives:
  - Provide students with base-ten blocks to represent the numbers. For example, they can use 2 tens blocks and 7 ones blocks for 27 and then add the necessary blocks for the one-digit number.
  - Allow them to physically group the blocks and count the total, practicing regrouping when the sum exceeds 10.

## **Real-Life Applications**

• Discuss how adding numbers with regrouping is useful in everyday situations, like adding prices when shopping, combining scores in games, or tallying votes.

## Conclusion

By practicing how to add two-digit numbers with one-digit numbers and adding two-digit numbers together using regrouping, students will strengthen their addition skills. Encourage them to use hands-on activities and practice problems to ensure they understand the concept of regrouping.