

1st Grade Math: Adding Two-Digit and One-Digit Numbers Without Regrouping

Objective: Students will learn to add a two-digit number and a one-digit number, as well as add two-digit numbers, without regrouping.

Introduction

In this lesson, we will explore how to add two-digit numbers and one-digit numbers without needing to regroup. This skill is important for building a strong foundation in addition and helps us solve math problems more easily.

Adding a Two-Digit Number and a One-Digit Number

1. **Understanding the Problem:**
 - Explain that a two-digit number has a tens place and a ones place.
 - For example, in the number **34**, **3** is in the tens place, and **4** is in the ones place.
2. **Example Problem:**
 - **Problem:** $34 + 5$
 - **Step 1:** Write the numbers in a column, aligning the digits by place value:

```
lua Copy code

  34
+  5
-----
```

- **Step 2:** Start by adding the ones place:

- 4 (from 34) + 5 = 9

- **Step 3:** Write the result below the line:

```
lua Copy code

  34
+  5
-----
  39
```

- **Answer:** $34 + 5 = 39$

3. Practice Problems:

- Provide students with similar problems to solve:
 - $21 + 4$
 - $45 + 3$
 - $56 + 2$

Adding Two-Digit Numbers Without Regrouping

1. Example Problem:

- **Problem:** $23 + 14$
- **Step 1:** Write the numbers in a column:

```
lua                                                                    Copy code

  23
+ 14
-----
```

- **Step 2:** Start by adding the ones place:

- 3 (from 23) + 4 (from 14) = 7

- **Step 3:** Add the tens place:

- 2 (from 23) + 1 (from 14) = 3

- **Step 4:** Combine the results:

```
lua                                                                    Copy code

  23
+ 14
-----
 37
```

- **Answer:** $23 + 14 = 37$

2. Practice Problems:

- Provide students with similar problems to solve:
 - $12 + 15$
 - $34 + 24$
 - $41 + 16$

Hands-On Activity

- **Using Manipulatives:**
 - Give students counters or blocks to represent the numbers. For example, they can use 2 blocks to represent the tens and then add the ones.
 - Allow them to physically group the blocks and count the total.

Real-Life Applications

- Discuss how adding numbers is useful in everyday situations, like adding up scores in games, counting money, or keeping track of items.

Conclusion

By practicing how to add two-digit numbers with one-digit numbers and adding two-digit numbers together without regrouping, students will become more confident in their addition skills. Reinforce these concepts with practice problems and hands-on activities to ensure understanding.