

1st Grade Math: **Subtraction Without Regrouping**

What is Subtraction Without Regrouping?

Subtraction without regrouping refers to the process of subtracting two numbers where the digit in each place value (ones, tens, etc.) in the top number is greater than or equal to the digit in the corresponding place value of the bottom number. This means that there's no need to borrow from the next place value.

How to Perform Subtraction Without Regrouping

Step-by-Step Process:

1. Write the Numbers Vertically:

- Align the numbers by their place values (ones under ones, tens under tens).
- For example, to subtract 24 from 53:

```
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53
- 24
----
```

Subtract the Ones Place:

- Start with the rightmost column (the ones place).
- Subtract the digits in the ones place (3 and 4):
 - Since 3 is less than 4, we can't subtract directly. But for this example, we'll use numbers that do not need regrouping.
- Instead, let's take 53 and subtract 21:
 - Ones: $3 - 1 = 2$
- Write this difference below the line in the ones column.

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```
  53
- 21
----
   2
```

Subtract the Tens Place:

- Move to the next column (the tens place).
- Subtract the digits in the tens place (5 and 2):
 - $5 - 2 = 3$
- Write this difference below the line in the tens column.

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```
  53
- 21
----
 32
```

4. Final Answer:

- The total difference of 53 and 21 is 32.

Why is it Important?

- **Foundation for More Complex Math:** Understanding subtraction without regrouping is essential for mastering subtraction with regrouping and other advanced arithmetic concepts.
- **Enhances Number Sense:** Students develop their ability to understand and manipulate numbers, which is critical for all future math skills.

Practice Problems

Here are some practice problems for students to try:

1. Subtract $45 - 12$

- Ones: $5 - 2 = 3$
- Tens: $4 - 1 = 3$
- Answer: 33

2. Subtract $36 - 14$

- Ones: $6 - 4 = 2$
- Tens: $3 - 1 = 2$
- Answer: 22

3. Subtract $80 - 30$

- Ones: $0 - 0 = 0$
- Tens: $8 - 3 = 5$
- Answer: 50

Visual Aids

Using **visual aids** can enhance understanding:

- **Number Lines:** Show how to jump backward to subtract numbers visually, reinforcing the concept of subtraction.
- **Manipulatives:** Use counters or blocks to represent the numbers being subtracted. For example, if you have 5 blocks and take away 2, show the remaining 3 blocks.

Summary

- Subtraction without regrouping involves subtracting numbers where the top number is always greater than the bottom number in each place value.
- Follow the steps of aligning numbers, subtracting the ones, subtracting the tens, and writing down the final answer.
- Practice problems and visual aids help reinforce this essential skill.

By mastering subtraction without regrouping, students will build confidence and a strong foundation for tackling more complex math challenges in the future!