

P.L.C. Assignment - I

classmate

Date _____

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Concept : Place Value

Learning Objectives:

1. To understand the concept of place value in whole numbers.
2. To identify the place of each digit in a number.
3. To apply place value in addition, subtraction, and comparison of numbers.

Teaching Learning Material:

Place Value Chart, Dummy Currency Notes.

Key Concepts :

1. Definition of place value

* The place value of a digit is determined by its position in the number. For example, in the number 345, the digit 3 is in the hundreds place, 4 is in the tens place, and 5 in the ones place.

2. Place Value Chart

* Create a chart to illustrate place values up to millions.

| Millions | Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | ones |
|----------|----------------------|------------------|-----------|----------|------|------|
| 7 | 3 | 5 | 8 | 4 | 2 | 6 |

3. Reading and Writing Numbers

* Practice reading and writing numbers based on their place values. For example, 7,358,426 is read as seven million three hundred fifty-eight thousand four hundred and twenty six.

4. Comparing Numbers

* Use place value to compare numbers. When comparing 5,832 and 5,723, focus on the highest place value first (Thousands, hundreds, etc.).

5. Operations with Place Value

* Addition: Align numbers by place value to ensure accurate calculations (e.g. $236 + 148$)

* Subtraction: Use the same alignment for subtraction (e.g. $523 - 237$)

Activities

1. Place Value Identification

* Write down five different numbers and identify the place value of each digit

e.g.: 5495, 60941, 89842, 58849, 31069

2. Create your own place value chart

* Design a chart for a number of your choice and label each place value.

3. Comparative Analysis

* Choose two numbers and write a brief explanation of which is larger and why, focusing on place value.

4. Math Problems

* Solve a set of addition and subtraction problems that require careful attention to place value.

Conclusion:

Understanding place value is essential for developing strong mathematical skills. It forms the foundation for more complex operations and concepts in mathematics. This assignment aims to reinforce these skills through practical application and exercises.

References

* Firki Maths course Materials.

* Educational resources on place value.