

Student Name: _____

Class: _____

Due Date: _____

Introduction

This homework assignment is designed to reinforce the understanding of place value in mathematics, specifically focusing on the concept of 4.NBT.A.1. The objective is to support classroom learning objectives by encouraging critical thinking, independent learning, and problem-solving skills.

Student Instructions

1. Read each question carefully and make sure you understand what is being asked.
2. Use a pencil and eraser for your work. You may use a calculator for checking your answers, but you must show your work for each problem.
3. Check your work as you go along to ensure accuracy.
4. Use the space provided for your answers. If you need more space, use the back of the page or attach an additional sheet.
5. Review the success criteria at the end of the assignment to ensure you have met all the requirements.

Part 1: Writing Base-Ten Numerals

1. Write the base-ten numeral for each number word:

- One hundred twenty-five
- Four thousand seven hundred fifty
- Nine hundred ninety-nine
- Sixty-seven thousand two hundred
- Three million one hundred thousand

Part 2: Identifying Place Value

1. Identify the place value of each digit in the following numbers:

- 456,789
 - 4: _____
 - 5: _____
 - 6: _____
 - 7: _____
 - 8: _____
 - 9: _____
- 123,456
 - 1: _____
 - 2: _____
 - 3: _____
 - 4: _____
 - 5: _____
 - 6: _____

Section 2: Applying Place Value

Part 1: Comparing Numbers

1. Compare the following numbers and write $<$, $>$, or $=$:

- 456,789 _____ 123,456
- 99,999 _____ 100,000
- 7,654,321 _____ 7,654,320

Part 2: Rounding Numbers

1. Round each number to the nearest ten thousand:

- 456,789
- 123,456
- 99,999

Word Problems

1. A bookshelf has 5 shelves, and each shelf can hold 8 books. If the bookshelf is currently empty, how many books can be placed on it in total?

2. A water tank can hold 120,000 liters of water. If 45,000 liters of water are already in the tank, how much more water can be added?

3. A bakery sells 250 loaves of bread per day. If they operate 7 days a week, how many loaves of bread do they sell in a week?

Success Criteria

To complete this assignment successfully, you must:

- Complete all sections and parts
- Show your work and calculations for each problem
- Use correct place value notation and terminology
- Check your work for accuracy

Conclusion

This homework assignment is designed to reinforce your understanding of place value and its applications. Remember to review the success criteria and check your work carefully to ensure accuracy. Good luck!