

Introduction to Place Value

Read the following introduction and answer the questions that follow:

Understanding place value is a fundamental concept in mathematics that can be challenging for English Language (EL) students with learning differences, including Attention Deficit Hyperactivity Disorder (ADHD) and autism. This worksheet is designed to support EL students in developing a deep understanding of place value in multi-digit numbers.

1. What is the main concept being introduced in this worksheet?

2. Who is this worksheet designed to support?

What is Place Value?

Read the following explanation and answer the questions that follow:

Place value refers to the value of a digit based on its position in a number. For example, in the number 456, the 4 is in the hundreds place, the 5 is in the tens place, and the 6 is in the ones place.

1. What does place value refer to?

2. Give an example of a number and its place value.

Activity 1: Place Value Matching

Match the numbers to their corresponding place value.

Number	Place Value
456	hundreds, tens, ones
279	hundreds, tens, ones
135	hundreds, tens, ones

Activity 2: Place Value Word Problems

Solve the following word problems using place value.

1. A bookshelf has 456 books on it. If 279 books are added, how many books are on the bookshelf now?

2. A store has 135 boxes of pencils. If 246 boxes are added, how many boxes of pencils does the store have now?

Activity 3: Place Value Scavenger Hunt

Find the following numbers in the classroom or school environment and identify their place value.

1. 945

2. 753

3. 624

Questions

Answer the following questions:

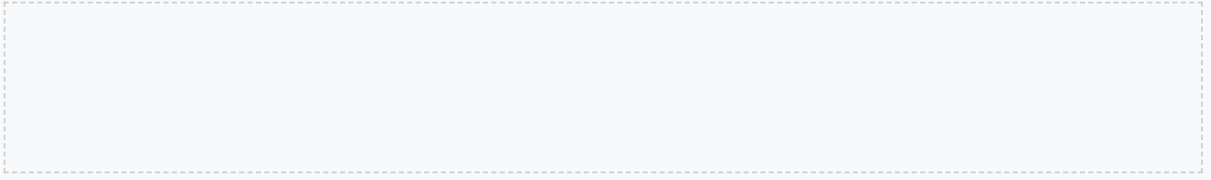
1. What is the place value of the digit 5 in the number 456?

2. Write the number 279 in words.

3. What is the place value of the digit 3 in the number 934?

4. Round the number 456 to the nearest ten.

5. What is the value of the digit 9 in the number 987?



Answer Key

Check your answers with the following answer key:

1. The value of the digit 5 is 50.
2. Two hundred seventy-nine.
3. The place value of the digit 3 is 300.
4. 460.
5. The value of the digit 9 is 900.

Extension Activities

Choose one of the following extension activities:

1. Create a word problem using place value and solve it.

2. Draw a number line and identify the place value of different numbers.

3. Create a hundreds chart and use it to solve place value problems.

Assessment

Complete the following assessment tasks:

1. Complete the activities and questions in this worksheet.
2. Participate in class discussions and share your understanding of place value.
3. Complete a quiz or test on place value at the end of the lesson.

Conclusion

Reflect on what you have learned:

Understanding place value is a critical concept in mathematics that can be challenging for EL students with learning differences. By completing this worksheet and participating in class activities, you will develop a deep understanding of place value and be able to apply it to solve problems. Remember to use visual aids, such as hundreds charts or number lines, and real-life examples to support your learning.

