

Place Value Exploration

Learning objective: Understand and apply the concept of place value for numbers up to 10,000

Work out the value of the underlined digits in each number and write it in the space provided. Then, use your understanding of place value to answer the questions that follow.

Word bank: ones · tens · hundreds · thousands · value

1. What is the value of the digit 5 in 3,567? (2 marks)

2. The digit 2 is in the hundreds place in which number: 2,456, 4,256, or 45,621? (2 marks)

3. If the digit 8 is in the thousands place, which other digit could be in the hundreds place to make the number greater than 8,000? (2 marks)

4. Write the number 2,345 using only the ones, tens, hundreds, and thousands columns: ____ thousands, ____ hundreds, ____ tens, ____ ones. (2 marks)

Draw: Draw a place value chart with columns for ones, tens, hundreds, and thousands. Use the numbers given in the questions to fill in the chart.

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Extension challenge: Create a secret number using at least four different digits. Write down the value of each digit in your number. Can a friend guess your number by asking questions about the place value of each digit?