

Max's Magnificent Place Value Adventure

Learning objective: To recognise the place value of each digit in a four-digit number and partition numbers into thousands, hundreds, tens, and ones.

Help Max the monkey organise his collection of rainforest treasures! Read the clues and use your knowledge of place value to solve the puzzles below. Draw the items to match the numbers.

Max the monkey has been busy counting his treasures. He has 4,325 shiny pebbles, 2,108 colourful feathers, and 3,560 smooth river stones. Max knows that every digit has a value depending on where it sits in the number. To help him keep track, he draws his treasures in groups of thousands, hundreds, tens, and ones.

Word bank: thousands · hundreds · tens · ones · partition · digit · place value · column

1. Max has 4,325 pebbles. Write this number in words and state how many hundreds are in this number. (2 marks)

2. Partition the number 2,108 into thousands, hundreds, tens, and ones. (2 marks)

3. In the number 3,560, what is the value of the digit 3? Explain how you know. (2 marks)

4. Max finds a new pile of $1,000 + 400 + 20 + 9$ items. Write this as a four-digit number. (1 mark)

5. Which is larger: 3,560 or 3,650? Use the greater than (>) or less than (<) symbol to compare them. (1 mark)

Draw: Draw a place value chart for the number 2,314. In the thousands column, draw 2 large treasure chests. In the hundreds column, draw 3 stacks of coins. In the tens column, draw 1 bundle of sticks. In the ones column, draw 4 individual gems.



Extension challenge: Max has a mystery number. It has 5 thousands, 2 fewer hundreds than thousands, 3 tens, and the same number of ones as tens. What is Max's mystery number?