

Max's Magnificent Maths: Place Value Adventure

Learning objective: To identify, represent and estimate numbers up to 1,000 using place value, and to partition 3-digit numbers into hundreds, tens and ones.

Max the monkey has been busy collecting treasures in the jungle! Help him organise his items by answering the questions below. Remember to look closely at the value of each digit.

Word bank: hundreds · tens · ones · place value · partition · digit · total

1. Max has 432 shiny pebbles. Write this number in words. (1 mark)

2. Max has 587 mangoes. Partition this number into hundreds, tens and ones. (e.g., 500 + 80 + 7) (2 marks)

3. What is the value of the digit '6' in the number 649? Explain how you know. (2 marks)

4. Max finds a bag with 3 hundreds, 0 tens and 5 ones. Write this as a 3-digit number. (1 mark)

5. Compare these two numbers using the symbols $<$, $>$ or $=$: 724 ____ 742. Explain your reasoning. (2 marks)

6. Max has £8.50 in his pocket. If he finds another £1.00, how much money does he have in total? (1 mark)

Draw: Draw Max the monkey holding a sign that shows the number 256 represented as base-10 blocks (squares for hundreds, sticks for tens, and dots for ones).



Extension challenge: Max finds a mystery number. It has 4 hundreds, the tens digit is 2 more than the hundreds digit, and the ones digit is 3 less than the tens digit. What is the mystery number?