

Rounding Adventures with Max the Monkey

Learning objective: To round any whole number to a required degree of accuracy (nearest 10, 100, 1,000, 10,000, 100,000 and 1,000,000).

Help Max the Monkey solve these mathematical puzzles by rounding numbers to the specified place value. Remember to look at the digit to the right of the place you are rounding to help you decide whether to round up or down.

Max the Monkey is organising his collection of jungle fruits. He needs your help to round the numbers of items he has collected so he can plan his storage boxes.

Word bank: round · nearest · place value · digit · estimate · accuracy · integer

1. Max has 47,284 bananas. Round this number to the nearest 1,000. (2 marks)

2. Max finds 834,912 coconuts in the forest. Round this number to the nearest 10,000. (2 marks)

3. A large shipment of mangoes arrives containing 1,550,600 pieces of fruit. Round this number to the nearest 100,000. (2 marks)

4. Max bought 12,499 peanuts. If he rounds this to the nearest 1,000, does he have more or less than 12,000? Explain your answer. (3 marks)

5. A crate of pineapples costs £84.75. If you round the price to the nearest pound (£), how much would it be? (2 marks)

Draw: Draw a picture of Max the Monkey sitting on a branch holding a sign that shows the number 5,500, with arrows pointing to 5,000 and 6,000 to show where it sits on a number line.



Extension challenge: Max has a secret number. When rounded to the nearest 10, it becomes 450. When rounded to the nearest 100, it becomes 500. What could Max's number be? Are there any other possibilities?