

Max's Market Rounding Challenge

Learning objective: To round any whole number to a required degree of accuracy (up to 1,000,000) and round decimals with two decimal places to the nearest whole number or tenth.

Max the monkey is helping his friends at the local village market. He needs to round the prices and quantities to make his maths puzzles easier to solve! For each item below, follow the specific rounding rule Max has provided to help him clear his stall.

Word bank: Nearest 10 · Nearest 100 · Nearest 1,000 · Nearest whole number · Nearest tenth

1. Max sold 4,732 bunches of bananas. Round this number to the nearest 1,000. Show your working out. (2 marks)

2. A basket of apples costs £12.87. Round this price to the nearest whole pound (£). (1 mark)

3. Pip the caterpillar bought 564 stickers. Round this number to the nearest 10. (1 mark)

4. A bag of sunflower seeds costs £4.32. Round this price to the nearest tenth (10p). (1 mark)

5. Zara the zebra counted 89,501 patterns in a mural. Round this number to the nearest 100. (2 marks)

6. Explain why 1,450 rounded to the nearest 100 is 1,500, but 1,449 rounded to the nearest 100 is 1,400. (2 marks)

Draw: Draw a 'Number Line Mountain' for the number 500. Show the base at 400 and 600, with 500 at the peak, and draw Max the monkey standing at the 550 mark showing which way he would slide down the mountain.



Extension challenge: Max has £150.00 to spend at the market. He wants to buy three items that cost £34.80, £56.20, and £42.90. Round each price to the nearest pound first, then estimate the total cost. Will he have enough money left over?