

Max's Market Maths: The Rounding Challenge

Learning objective: To accurately round decimals and whole numbers to the nearest 10, 100, 1000, and to the nearest whole number.

Max the monkey is helping his friends at the local market. Use your rounding skills to help him calculate the prices and quantities. Read each scenario carefully, decide which place value you need to round to, and show your working out in the boxes provided.

Word bank: round · nearest · decimal · place value · digit · estimate · greater than · less than

1. Max bought 142 apples for the school fruit bowl. If he rounds this number to the nearest 10, how many apples does he have? Explain your reasoning. (2 marks)

2. A bag of flour costs £4.67 at the market. Round this price to the nearest pound (£). Show which digit you looked at to make your decision. (2 marks)

3. The market stall sold 2,875 bunches of bananas last month. Round this figure to the nearest 100. How did you decide whether to round up or down? (2 marks)

4. A box of blueberries weighs 0.84kg. Round this weight to the nearest whole kilogram. What happens to the decimal part of the number? (2 marks)

5. Max sees a sign saying 'There are 1,214 visitors at the market today.' Round this number to the nearest 1,000. Why is this a useful estimate for the stallholders? (2 marks)

Extension challenge: Imagine you are running a shop stall. Create three items with prices that include pence (e.g., £2.45). Write a challenge for a friend asking them to round your prices to the nearest pound.