

Max's Market Maths: The Rounding Challenge

Learning objective: To round any number to the nearest 10, 100, or 1000.

Max the monkey is helping at the local market today! He needs your help to round prices and quantities so he can keep his records tidy. Read the tasks below and show your working out.

Max is busy sorting out the market stall. A bag of juicy apples costs £4.26, but the customers prefer to pay in rounded amounts. A crate of crunchy carrots contains 1,248 individual carrots. Max wants to estimate how many carrots he has by rounding to the nearest hundred. Meanwhile, his friend Leo the lion is buying 63 jars of local honey. Max needs to round that number to the nearest ten to help Leo carry the right number of crates.

Word bank: round · nearest · estimate · digit · place value · interval

1. The apples cost £4.26. Round this price to the nearest pound (£). Explain how you decided which way to round. (2 marks)

2. Max has 1,248 carrots. Round this number to the nearest 100. (1 mark)

3. Leo needs to buy 63 jars of honey. Round this number to the nearest 10. (1 mark)

4. A box of blueberries contains 3,892 berries. Round this number to the nearest 1,000. (1 mark)

5. If a punnet of strawberries costs £2.50, and you round it to the nearest pound, does it round up or down? Why? (2 marks)

Draw: Draw a 'Rounding Mountain'. At the bottom of the mountain, draw 0 and 10. At the peak of the mountain, draw the number 5. Show how numbers 1-4 slide down to 0, and numbers 6-9 slide down to 10.



Extension challenge: Max has a mystery number. When rounded to the nearest 10, it becomes 70. When rounded to the nearest 100, it becomes 100. What could Max's mystery number be? Write down three possibilities.