

Max's Market Math: The Rounding Challenge

Learning objective: To round numbers to the nearest 10, 100, and 1,000.

Max the monkey is helping at the local community market. He needs to round prices and quantities to make quick calculations. Use the number line method to help Max solve these rounding challenges. Remember: if the number is less than 5, round down. If it is 5 or more, round up!

Word bank: round up · round down · nearest ten · nearest hundred · nearest thousand · digit · place value

1. Max sees a basket of apples priced at £43. Round this price to the nearest £10. Show your working out on a number line. (2 marks)

2. A farmer brings 287 carrots to the market. Round this amount to the nearest 100. Explain why you chose your answer. (2 marks)

3. The market stall sold 1,642 oranges this week. Round this number to the nearest 1,000. How did you decide which way to round? (2 marks)

4. If a bag of potatoes costs £15, rounding to the nearest 10 gives £20. Is this correct? Why or why not? (2 marks)

5. Create your own rounding puzzle for a friend. Choose a number between 100 and 1,000 and ask them to round it to the nearest 10. (2 marks)

Extension challenge: Challenge: If you round a number to the nearest 10 and get 500, what is the smallest and largest whole number it could have been?