

Max's Market Math: A Rounding Assessment

Learning objective: To round any number to the nearest 10, 100, or 1000 and apply rounding to real-world money problems.

Read each question carefully. Max the monkey needs your help at the fruit market! Show your working out clearly.

Max the monkey is helping his friends at the local market. He needs to round prices and quantities to make quick calculations. Remember: if the digit is 5 or more, round up to the next ten, hundred, or thousand. If it is 4 or less, stay at the current ten, hundred, or thousand.

Word bank: nearest · round up · round down · estimate · place value · digit

1. Max has 43 apples. Round this number to the nearest 10. (1 mark)

2. The market stall has 782 strawberries. Round this number to the nearest 100. (1 mark)

3. A box of exotic fruits costs £24. Max says this is about £20 when rounded to the nearest £10. Is Max correct? Explain your reasoning using your knowledge of place value. (3 marks)

4. There are 1,432 visitors at the market today. Round this number to the nearest 1,000. (2 marks)

5. A crate of bananas costs £56. If a customer has £60, do they have enough money to buy the crate? Use rounding to estimate the cost to the nearest 10 to help you decide. (3 marks)

6. Max counts 3,500 coins in his jar. Round this number to the nearest 1,000. Explain why you chose to round up or down. (3 marks)

7. Max is organising the market stalls. Stall A has 248 items, Stall B has 251 items, and Stall C has 255 items. Round each stall's total to the nearest 100. Then, explain which stall has the most items after rounding and why Stall B and Stall C result in different rounded totals. (5 marks)

8. Write a number that rounds to 400 when rounded to the nearest 100, but rounds to 390 when rounded to the nearest 10. (4 marks)

9. If a bag of nuts costs £8.45, and we round the price to the nearest pound (£), what is the new price? (3 marks)

Draw: Draw a number line from 30 to 40 and place an 'X' where the number 36 would sit. Circle the end of the number line that 36 is closest to.

Extension challenge: Total: /25. Challenge: Write a short story about Max finding a basket of 1,996 blackberries. Explain how he rounds this number to the nearest 10, 100, and 1,000 to help him share them fairly.