

Max's Market Rounding Challenge

Learning objective: To round any whole number to the nearest 10, 100, or 1,000.

Max the monkey is helping at the local community market. Help him organise the prices and quantities by rounding the numbers correctly. Remember: if the digit is 5 or more, round up; if it is 4 or less, round down.

Max has been busy calculating the costs for the market stalls. He needs to round the prices to the nearest pound and the number of items to the nearest ten or hundred to help the stallholders make quick decisions.

Word bank: Rounding · Estimate · Nearest · Digit · Place value · Interval

1. The price of a bag of apples is £4.67. Max wants to estimate this to the nearest pound. Round £4.67 to the nearest £1 and explain why you chose that number. (2 marks)

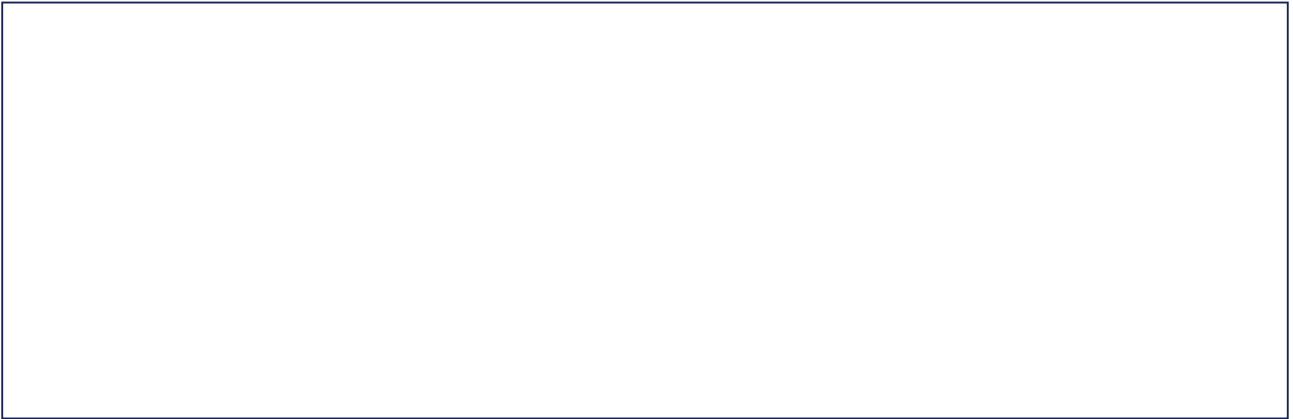
2. A stallholder has 742 punnets of strawberries. Round this number to the nearest 10 and the nearest 100. (2 marks)

3. Max counts 2,856 marbles in a jar. Round this number to the nearest 1,000. Justify your answer by identifying the digit in the hundreds column. (2 marks)

4. Compare and contrast: Why does rounding 450 to the nearest 100 give a different result than rounding 449 to the nearest 100? (3 marks)

5. A baker has 1,450 bread rolls. If he rounds the amount to the nearest 1,000, he gets 1,000. Is he correct? Explain the mistake he might have made. (3 marks)

Draw: Draw a number line from 300 to 400. Mark the number 347 on the line and show with an arrow whether it rounds down to 300 or up to 400.



Extension challenge: What might happen if a shopkeeper always rounded their prices down to the nearest pound instead of to the nearest pound? Would they make more or less money by the end of the day? Write a short paragraph justifying your opinion.