

Max's Market Rounding Challenge

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

Max the monkey is helping at the local community market. Use your rounding skills to help him organise the prices and produce. Show your working out clearly.

Max is busy calculating the costs at the market stall. He knows that rounding numbers helps him estimate totals quickly. He has a box of 482 apples, a crate of 1,235 pears, and a jar of honey that costs £8.60. Max needs to round these numbers to keep his records tidy.

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

1. Max has 482 apples. Round this number to the nearest 10. (1 mark)

2. The crate of pears contains 1,235. Round this number to the nearest 100. (1 mark)

3. A special jar of honey costs £8.60. If Max rounds this to the nearest pound (£), what is the price? (1 mark)

4. Max counts 2,456 sunflowers at the market. Round this number to the nearest 1,000. (2 marks)

5. Explain the rule Max should use when deciding whether to round up or round down if the digit is a 5. (2 marks)

Draw: Draw a number line from 400 to 500 and mark where the number 482 sits to show why it rounds to 480.



Extension challenge: Max finds a mystery number. When rounded to the nearest 10, it becomes 350. What is the smallest whole number and the largest whole number this could be? Explain your reasoning.