

Max the Monkey's Rounding Adventure

Learning objective: To round numbers to the nearest 10 and 100, and apply rounding skills to real-life money problems.

Read each question carefully. Max the Monkey needs your help to solve these maths puzzles. Show your working out clearly in the space provided.

Max the Monkey is at the local market to buy fruit for his friends. The prices are all mixed up, and Max needs to round the amounts to make it easier to count his money. Help Max ensure he has enough pounds and pence to get everything he needs!

Word bank: round · nearest ten · nearest hundred · estimate · digit · increase · decrease · tens column · hundreds column

1. Max sees a basket of apples that costs £34. Round this price to the nearest 10. (2 marks)

2. A bunch of bananas costs £182. Round this price to the nearest 100. (2 marks)

3. Look at these numbers: 45, 42, 48, 41. Which of these numbers round to 40 when rounded to the nearest 10? Explain your answer. (4 marks)

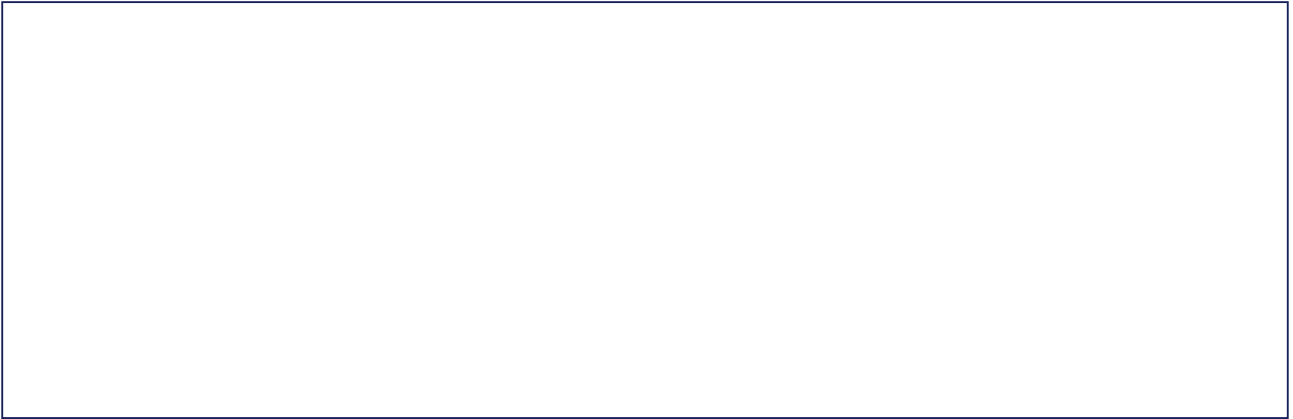
4. Max has £250 in his bag. He wants to buy a set of books that costs £246. Does he have enough money if he rounds the price to the nearest 100? Explain your thinking. (4 marks)

5. If a melon costs £75, does it round up to £80 or down to £70 when rounding to the nearest 10? State the rule for rounding numbers ending in 5. (3 marks)

6. Max is planning a party. He needs 120 balloons, but the shop only sells them in packs of 10. If he wants to buy approximately 120 balloons, list three different numbers that would round to 120 when rounded to the nearest 10. (5 marks)

7. Max says: 'If I have £550, I can afford something that costs £549 because it rounds down to £500.' Is Max correct? Why or why not? (5 marks)

Draw: Draw a number line from 0 to 100. Mark the number 67 on your line and use an arrow to show which 'ten' it is closest to.



Extension challenge: Total: /25. Challenge: If you rounded a mystery number to the nearest 10 and the answer was 300, what is the smallest whole number it could be?