

Grade 4 Math Assessment: Mastering Rounding

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

Read each question carefully. Max the monkey has provided a few hints to help you solve these number puzzles. Show your working out clearly for questions worth more than 1 mark.

Max the monkey is helping the forest animals organize their collection of acorns. He needs to round large numbers to help the others understand how many they have without needing to count every single one individually.

Word bank: round · nearest · estimate · digit · place value · interval · approximate

1. Round the number 4,327 to the nearest 10. (1 mark)

2. Round the number 28,561 to the nearest 100. (2 marks)

3. Max found 143,892 acorns in the forest. Round this number to the nearest 1,000. (2 marks)

4. Round 567,402 to the nearest 10,000 and the nearest 100,000. Explain how the digit in the thousands column helps you decide which way to round for the 10,000s. (4 marks)

5. A charity store collected £456,782 for a local project. Round this amount to the nearest £10,000. (2 marks)

6. Write down three different 5-digit numbers that round to 50,000 when rounded to the nearest 10,000. (3 marks)

7. Max says: 'If I have 654,500, it always rounds up to 655,000 when rounding to the nearest 1,000.' Is Max correct? Use your knowledge of rounding rules to write a short paragraph explaining why or why not, including what happens to the digit in the hundreds column. (5 marks)

8. If a farmer has 899,995 sheep, what is this number rounded to the nearest 100,000? Show your steps. (6 marks)

Draw: Draw a number line between 2,000 and 3,000 and mark exactly where 2,450 would sit. Use an arrow to show which number it is closer to when rounding to the nearest 1,000.



Extension challenge: Total: /25