

Max's Magnificent Market Maths

Learning objective: To demonstrate understanding of place value in 4-digit numbers, including ordering, partitioning, and rounding to the nearest 10, 100, and 1000.

Read the story about Max the monkey's market trip. Answer the questions below, showing your working out clearly.

Max the monkey is helping his friends at the Forest Market today. He is in charge of counting the fruit and vegetables. He counts 2,458 shiny red apples, 1,302 bunches of yellow bananas, and 3,745 green pears. Max uses his love of maths to organise everything into boxes of 1,000, 100, 10, and 1.

Word bank: thousands · hundreds · tens · ones · place value · digit · partition · round

1. In the number 2,458, what is the value of the digit 4? Explain your answer. (2 marks)

2. Max wants to write the number 3,745 in expanded form (partitioning). Can you write this number as a sum of its parts? (2 marks)

3. Max rounded the number of bananas (1,302) to the nearest 100. What number did he get? Show how you worked this out. (2 marks)

4. If Max finds 100 more pears than the 3,745 he already has, what will his new total be? (1 mark)

5. Order the three amounts (2,458, 1,302, and 3,745) starting from the smallest number to the largest number. (2 marks)

Draw: Draw a set of place value counters to represent the number 2,458 using circles for thousands, hundreds, tens, and ones.



Extension challenge: Max has 4,999 acorns. If he finds one more, how many does he have in total? Explain what happens to the digits when you add one to 4,999.