

Max's Market Math Challenge

Learning objective: To add whole numbers with more than 4 digits, including using formal column addition.

Help Max the monkey organize the market stall inventory. Read the passage carefully and use the column addition method to solve the problems. Show your working out clearly.

Max is helping the local market traders count their stock for the Great Summer Fair. He has a very busy morning ahead! First, he counts 14,562 red apples and 23,845 green apples. Next, he checks the flower stall, where there are 12,908 daisies and 15,674 sunflowers. Finally, he helps the bakers who have baked 18,432 plain scones and 12,599 fruit scones. Max needs to find the total for each group to ensure there is enough stock for all the visitors.

Word bank: total · sum · column addition · digit · inventory · exchange · value

1. What is the total number of apples (red and green) that Max counted? (2 marks)

2. Calculate the sum of the daisies and the sunflowers. (2 marks)

3. How many scones did the bakers make in total? Show your column addition. (2 marks)

4. If the flower stall receives another delivery of 5,430 roses, what is the new total of flowers (daisies + sunflowers + roses)? (3 marks)

5. Max finds a hidden box containing £12,450 and another box with £8,975. How much money is there in total? (2 marks)

Draw: Draw a picture of Max the monkey standing behind a market stall piled high with apples, flowers, and baskets of scones. Include a large sign that shows the total number of apples he counted.



Extension challenge: Max has £50,000 to spend on new market equipment. He buys a tent for £14,250 and a display table for £8,750. How much money does he have left? Create your own addition problem for a friend to solve using numbers larger than 10,000.