

Max the Monkey's Addition Adventure

Learning objective: To practise adding two 4-digit numbers using the column addition method with exchange.

Max the Monkey loves to solve maths puzzles! Help Max add up his fruit collection by using column addition. Remember to start from the ones column on the right. If a column adds up to 10 or more, remember to 'carry' the extra ten into the next column.

Word bank: column · total · exchange · digit · plus · sum

1. Max has 2,456 bananas and 1,327 apples. Set these numbers out in columns and find the total sum. (2 marks)

2. Max finds 3,582 red berries and 2,145 blue berries. Write down the calculation and solve it. (2 marks)

3. Max spends £4,250 on a new treehouse and £1,675 on climbing ropes. What is the total cost in pounds (£)? (2 marks)

4. Explain in your own words: Why do we 'carry' a number to the next column during addition? (2 marks)

Extension challenge: Max has a basket that can hold 8,000 pieces of fruit. If he adds 4,500 pieces to 3,800 pieces, will his basket overflow? Explain how you know.