

Max the Monkey's Subtraction Challenge

Learning objective: To subtract numbers with up to three digits using formal written methods and solve problems involving money.

Read each question carefully. Show your working out clearly to earn marks. Use the column method for calculations where needed.

Max the Monkey loves to count his collection of rainforest fruit. Today, he has 456 pieces of fruit in his storehouse. He decides to give 234 pieces to his friends in the forest. Later, Max goes to the market to buy supplies for his treehouse. He has £8.50 in his pocket and spends £3.25 on some new climbing rope.

Word bank: difference · subtract · exchange · total · remainder · column method

1. Using the column method, calculate how many pieces of fruit Max has left after giving 234 away. (Show your working) (3 marks)

2. Max has £8.50 and spends £3.25. How much money does he have remaining? Remember to include the £ sign. (3 marks)

3. Find the difference between 782 and 459. (3 marks)

4. Complete this calculation: $600 - 245 = ?$ (3 marks)

5. Max found 150 shiny pebbles. He gave 67 of them to Leo the Lion. How many pebbles does Max have now? (3 marks)

6. Explain why we sometimes need to 'exchange' when using the column method for subtraction. Give an example to support your answer. (5 marks)

7. If Max has £10.00 and buys a basket for £4.75 and a mirror for £2.20, how much change does he get back? (5 marks)

Draw: Draw a picture of Max the Monkey with his basket of fruit, showing the fruit he has left after his subtraction.



Extension challenge: Total: /25