

Year 6 Mathematics Assessment: Subtraction Mastery

Learning objective: To solve problems involving the subtraction of whole numbers, decimals, and money using formal written methods and mental strategies.

Read each question carefully. Show all your working out, as you may be awarded method marks even if your final answer is incorrect. Use the space provided for your calculations.

Max the monkey is helping the BookFlik group organise their library and school shop. He needs your help to calculate the change, the difference in book lengths, and the remaining stock of items.

Word bank: difference · column method · decimal point · exchange · place value · total

1. Calculate the difference between 84,902 and 27,645. (2 marks)

2. Max has £50.00. He buys a notebook for £12.75 and a pack of pens for £8.40. How much change does he have left? Show your step-by-step working. (3 marks)

3. Subtract 14.67 from 23.4. Ensure your decimal points are correctly aligned. (2 marks)

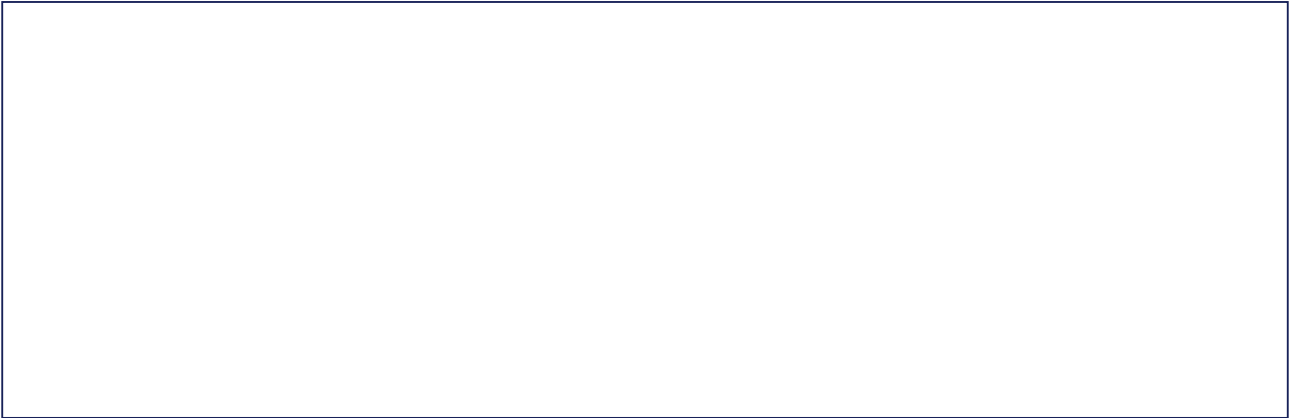
4. A library shelf can hold 1,500 books. If 876 books are currently on the shelf, how many more can be added? Explain how you used exchange to find your answer. (4 marks)

5. The BookFlik team is raising money for a new reading corner. Their target is £500. They have already raised £312.50. Calculate the remaining amount needed. If they find an extra £45.20 in a donation tin, how much more do they need to reach their target? (4 marks)

6. Max says: 'If I subtract 99 from any 3-digit number, I can just subtract 100 and add 1.' Is Max correct? Use a calculation to prove your answer and explain the logic behind this mental strategy. (5 marks)

7. Find the missing digit: $7_4,821 - 367,905 = 406,916$. (5 marks)

Draw: Draw a number line showing the jumps Max would take to solve the subtraction $250 - 185$.



Extension challenge: Total: /25