

Year 5 Maths Assessment: Problem Solving Adventures

Learning objective: To solve multi-step word problems involving the four operations, money, and measurement within the context of the Year 5 curriculum.

Read each question carefully. Show your working out in the space provided to earn method marks. Ensure all answers involving money include the £ sign and two decimal places for pence.

Max the monkey and his friends are preparing for the annual Forest Festival. They need to manage their budget, organise supplies, and calculate the time for their activities.

Word bank: calculate · difference · total · quotient · operation · estimate · remainder · multi-step

1. Max is buying fruit for the festival. He buys 4 crates of bananas costing £3.50 each and 6 bags of apples costing £2.25 each. What is the total cost of the fruit? (3 marks)

2. Bea the honeybee has 1,248 wildflower seeds. She wants to plant them equally into 8 different garden patches. How many seeds will be in each patch? (2 marks)

3. Leo the lion is writing a poem for the festival. He writes 14 lines every day. If he works for 3 weeks, how many lines will he have written in total? (2 marks)

4. Pip the caterpillar is organising a book stall. He has 500 books. On Monday, he sells 124 books. On Tuesday, he sells 89 books. How many books does Pip have left to sell? (3 marks)

5. Nova the owl is stargazing. She observes 125 stars in the first hour and 218 stars in the second hour. If she wanted to reach a target of 500 stars, how many more does she need to spot? (4 marks)

6. Finn the dolphin is mapping the river. The river is 4,500 metres long. Finn swims 1,250 metres in the morning and 1,875 metres in the afternoon. What is the difference between the total distance Finn swam and the length of the river? (4 marks)

7. Max has a budget of £50.00 for decorations. He buys 5 packs of bunting at £4.50 per pack and 3 sets of fairy lights at £6.25 per set. Explain the steps you would take to find out how much change Max receives and calculate the final amount. (7 marks)

Draw: Draw a scene showing Max the monkey and Pip the caterpillar working together at a festival stall, including labels showing the items they are counting.



Extension challenge: Total: /25. Challenge: If Max wanted to double his decoration budget but keep the cost of items the same, how many more packs of bunting could he afford to buy with his remaining change?