Max the Monkey's Mental Math Challenge

Learning objective: To demonstrate fluency in mental addition, subtraction, multiplication, and division, and to apply these skills to solve problems involving money and measures.

Read each question carefully. You may use the space provided for your working out. Keep your answers clear and include units like £ or cm where required.

Max the Monkey is organising a jungle fair. He needs your help to work out the prices, count the supplies, and make sure everyone has enough snacks for the day.

Word bank: partition · calculate · total · difference · multiply · divide · remainder · exchange

1. Max has 45 bananas. He gives 18 bananas to his friends. How many bananas does Max have left? Show your working. (2 marks)

2. A bag of monkey nuts costs £3. How much would 4 bags of nuts cost in total? (2 marks)

3. Zara the Zebra is painting stripes. She has a ribbon that is 80cm long. She cuts off 25cm to decorate a sign. How long is the ribbon now? (2 marks)

4. Max has £20. He buys a hat for £7 and a whistle for £4. How much change does he receive from his £20 note? (3 marks)

5. Calculate the following mentally and write the answers: a) 34 + 29 = ? b) 72 - 35 = ? c) 8 x 4 = ? d) 24 ÷ 3 = ? (4 marks)

6. Explain the strategy you used to solve 34 + 29. Did you partition the numbers or use a number line? Explain why your chosen method worked well. (4 marks)

7. Max is planning a snack stall. He has 32 pieces of fruit to share equally between 4 baskets. How many pieces of fruit go into each basket? If he then finds 3 more pieces of fruit to add to one of the baskets, how many pieces are in that basket now? Write a short story explaining your steps. (8 marks)

Draw: Draw a picture of Max the Monkey standing by his snack stall with 4 baskets, each containing the correct number of fruit pieces you calculated in the final question.

Extension challenge: Total: /25