

Max's Festive Feast and Gift Math

Learning objective: To solve multi-step problems involving addition, subtraction, multiplication, and division using decimal notation for money and measures.

Help Max the monkey organize the winter party by solving these mathematical puzzles. Show your working out clearly.

Word bank: Calculation · Decimal point · Multiplication · Remainder · Total · Difference · Estimate

1. Max is buying boxes of festive crackers. Each box costs £4.75. If Max buys 6 boxes for his friends, what is the total cost? (2 marks)

2. The party cake weighs 2.5 kilograms. Max needs to divide the cake into 10 equal slices. How many grams will each slice weigh? (2 marks)

3. Max has a budget of £50.00. He spends £12.40 on decorations and £24.85 on party snacks. How much money does he have left from his original budget? (3 marks)

4. If 4 friends share a bag of 145 chocolate coins equally, how many coins will each friend get? How many coins will be left over as a remainder? (3 marks)

5. Max is wrapping presents. He has 12 metres of ribbon. Each present requires 85 centimetres of ribbon. How many full presents can he wrap, and how much ribbon is left over in centimetres? (3 marks)

Draw: Draw Max the monkey wearing a festive hat, standing next to a table with his correctly labelled mathematical calculations written on a blackboard.



Extension challenge: Max wants to buy a gift that costs £18.50. He has saved £2.50 per week for 6 weeks. Does he have enough money? Explain your answer using calculations.