

# Max's Festive Feast and Fête: A Year 5 Mathematics Assessment

*Learning objective: To apply knowledge of arithmetic, money, measures, and statistics within a festive context.*

Read each question carefully. Show your working out clearly, as marks are awarded for your method even if the final answer is incorrect. Use £ for all currency calculations.

Max the monkey is organising a winter celebration for his friends. He has a budget of £150.00 to spend on decorations, snacks, and gifts. He needs to track every penny to ensure the party is a success.

*Word bank: estimate · calculate · product · quotient · difference · budget · perimeter · percentage*

**1. Max buys 12 boxes of baubles for £3.45 each. How much does he spend in total? Show your calculation. (2 marks)**

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**2. The total cost of the party food is £68.50. If Max shares this cost equally among 5 friends (including himself), how much should each person contribute? (2 marks)**

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**3. Max wants to create a rectangular display area for gifts. The length is 4.5 metres and the width is 3.2 metres. Calculate the perimeter of the display area. (2 marks)**

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**4. A string of LED lights is 12 metres long. Max needs to cut it into pieces that are 75 centimetres each. How many whole pieces can he cut? Explain your reasoning. (3 marks)**

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5. The local market sells wrapping paper. A roll costs £2.80, but there is a 20% discount if you buy more than 5 rolls. If Max buys 6 rolls, what is the total cost after the discount? (4 marks)

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6. Compare and contrast the cost-effectiveness of buying individual items versus buying in bulk for a large party. Justify your answer using a hypothetical example. (4 marks)

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7. Max has £32.50 left. He wants to buy as many small gift bags as possible. Each bag costs £1.75. Calculate how many bags he can buy and state the remaining amount. What might happen to his plans if the price of the bags increased by 10p? (3 marks)

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**Draw:** Draw a scale diagram of a rectangular festive table with a perimeter of 12cm, labelling the length and width dimensions clearly.



*Extension challenge: Write a short proposal (approx. 100 words) for Max, explaining how he could adjust his budget if he decided to increase his guest list by 50%. Total: /25*