

Max's Christmas Math Challenge

Learning objective: To apply Grade 1 mathematical skills including addition, subtraction, money, and shape recognition within a festive context.

Read each question carefully. Show your working out in the space provided. Remember to include units like £ or p where needed.

Max the monkey is helping his friends prepare for a Christmas party in the forest. He has been busy counting decorations, wrapping gifts, and managing the party budget.

Word bank: addition · subtraction · total · difference · pounds · pence · symmetry · pattern

1. Max has 25 gold baubles and 14 silver baubles. How many baubles does he have in total? (2 marks)

2. A festive star decoration costs 45p. A candy cane costs 30p. How much more does the star cost than the candy cane? (2 marks)

3. Ellie the elephant buys a gift for £12 and some wrapping paper for £4. She pays with a £20 note. How much change does she receive? (3 marks)

4. Max is arranging 30 pinecones into 3 equal rows for a table centrepiece. How many pinecones are in each row? Show your working. (3 marks)

5. Zara the zebra is making paper snowflakes. She says, 'If I fold my paper in half, the two sides look exactly the same.' What is the mathematical name for this feature? (2 marks)

6. Max needs to bake 45 mince pies. He has already baked 22. How many more does he need to bake to reach his target? Explain how you found your answer. (3 marks)

7. Imagine you are helping Max plan a Christmas party. You have a budget of £10. Choose three items to buy from this list: Party Hats (£2), Crackers (£4), Fairy Lights (£5), and Paper Plates (£1). Write a list of your items, calculate the total cost, and state how much money you have left over from your £10 budget. (5 marks)

Draw: Draw a Christmas tree that has a line of symmetry down the middle, and decorate it with a repeating pattern of shapes.



Extension challenge: Total: /25. Challenge: If Max had 50p and bought two items for 15p each, could he afford a third item that costs 25p? Explain why or why not.