

Max's Festive Math Workshop

Learning objective: To solve multi-step problems involving addition, subtraction, multiplication, and money calculations in a festive context.

Help Max the monkey prepare for his woodland winter party! Read each question carefully and show your working out to find the correct totals.

Max is organising a party for all his friends. He has a budget of £50.00 to spend on decorations and treats for the woodland gathering. Prices: Baubles £1.20 each, Star lights £4.50 per set, Hot chocolate sachets £0.80 each, and Gingerbread cookies £1.50 per pack.

Word bank: total · product · difference · budget · change · calculate

1. Max decides to buy 4 sets of star lights and 10 gingerbread cookie packs. How much does he spend in total? (2 marks)

2. If Max uses his £50.00 budget, how much money will he have left after buying the items in the previous question? (2 marks)

3. Pip the caterpillar wants to buy 6 baubles. If she pays with a £10 note, how much change should she receive? (2 marks)

4. Hot chocolate sachets are sold in boxes of 5. If Max needs enough sachets for 25 friends, how many boxes does he need to buy? (2 marks)

5. Ellie the elephant buys 3 sets of star lights and 5 hot chocolate sachets. What is the difference in price between the lights and the hot chocolate? (2 marks)

Draw: Draw a festive pattern for the woodland party decorations. Use shapes like triangles and circles to create a repeating pattern, just like Zara the zebra would!



Extension challenge: Max finds a 'buy one get one free' offer on gingerbread cookies. If a pack costs £1.50, how much would 10 packs cost now? Explain your calculation.