

Max's Festive Maths Workshop

Learning objective: To solve addition, subtraction, and multiplication problems involving money and measure in a Christmas context.

Help Max the monkey prepare for the festive party! Read the scenarios carefully and show your working out for each calculation. Use the drawing prompt at the bottom to design a gift for the party.

Max is organising a party for his friends. He has a budget of £50.00 to buy supplies. He buys 4 boxes of star-shaped biscuits for £3.50 each. He also finds 6 rolls of recycled wrapping paper that cost £2.25 each. Finally, he buys a set of 8 festive ribbons for £1.20 each. Max needs to make sure he has enough money left for his friends to buy a small gift each.

Word bank: total · difference · multiply · calculate · budget · festive

1. Calculate the total cost of the 4 boxes of star-shaped biscuits. (2 marks)

2. How much does Max spend in total on the 6 rolls of wrapping paper and the 8 festive ribbons combined? (3 marks)

3. After buying all the items mentioned in the passage, how much money does Max have left from his original £50.00 budget? (3 marks)

4. If Max decides to buy 3 more boxes of biscuits at the same price, how much would that cost in total? (2 marks)

5. Max wants to share his total spending equally between 5 friends. How much would each friend have spent if they split the bill? (3 marks)

Draw: Draw a festive gift box for Max. On the lid of the box, draw a symmetrical pattern using geometric shapes like triangles and squares, just like Zara the zebra would!



Extension challenge: Max finds a luxury decoration that costs £15.50. If he buys this, will he still have enough money left to give each of his 5 friends a £2.00 note for their own treats? Show your calculations.