

Max's Festive Maths Workshop

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

Help Max the monkey solve these Christmas-themed puzzles. Show your working out clearly to earn full marks!

Max is helping organise the school Christmas fair. He needs to calculate the costs of decorations, gifts, and treats using his maths skills.

Word bank: total · difference · multiply · change · remainder · pence

1. Max buys a box of 5 gold stars for £2.40 and a string of lights for £4.50. What is the total cost of his decorations? (2 marks)

2. A packet of candy canes costs 80p. How much would 4 packets cost in total? Give your answer in pounds (£). (2 marks)

3. Max has a £10 note. He spends £6.75 on wrapping paper. How much change does he receive? (2 marks)

4. The Christmas tree is 150cm tall. After adding a star on top, it grows by another 15cm. What is the new height of the tree? (2 marks)

5. Max wants to share 24 chocolate coins equally between 3 friends. How many coins does each friend receive? (2 marks)

Draw: Draw a picture of Max the monkey decorating a Christmas tree with 5 gold stars and a long string of lights.



Extension challenge: Max finds a box of 40 baubles. He wants to pack them into bags of 5. How many bags will he need? Write your own word problem for a friend to solve.