

Max's Festive Fairground Calculations

Learning objective: To apply multi-step arithmetic, percentages, and money calculations to solve seasonal word problems.

Max the monkey is helping organise the village winter fair. Use your knowledge of maths to help Max calculate the costs, discounts, and totals for the festive stalls. Show your working out clearly for each calculation.

Word bank: Percentage · Difference · Total · Discount · Profit · Budget

1. The village craft stall sells hand-made decorations for £4.50 each. If a customer buys 3 decorations and pays with a £20 note, how much change should they receive? (2 marks)

2. A box of luxury mince pies usually costs £6.00. For the winter fair, there is a 20% discount. What is the new price of the box of mince pies? (2 marks)

3. Max bought 12 rolls of festive wrapping paper for £1.50 each. He sold them all for a total of £24.00. How much profit did he make in total? (2 marks)

4. The hot chocolate stall expects to sell 150 cups. If each cup costs £2.20, calculate the total revenue if they sell all 150 cups. (2 marks)

5. A string of fairy lights is 8.5 metres long. If Max needs to decorate 4 trees of the same size, what is the total length of lights required in centimetres? (2 marks)

Draw: Draw a festive stall for the fair. Label your drawing with three different items for sale and give each item a price in pounds and pence.



Extension challenge: Max has a budget of £50.00 to buy supplies. He has already spent £12.50 on tinsel and £18.75 on baubles. If he wants to buy ribbon that costs £3.50 per roll, what is the maximum number of rolls he can afford with the money remaining?