

Max's Festive Math Workshop: The Christmas Calculation Challenge

Max the Monkey is ready to solve the Christmas puzzle—can you keep up with his festive calculations?

- **Budgeting:** If a box of decorations costs £4.75 and you have a budget of £20.00, how many boxes can you buy before you exceed your total?
- **Time Management:** A turkey needs to cook for 45 minutes per kilogram. If your turkey weighs 4kg, at what time must it go in the oven to be ready by 1:00 pm?
- **Scaling Recipes:** A mince pie recipe requires 200g of flour for 8 pies. How much flour is needed to make 24 pies?
- **Financial Literacy:** You buy three packs of wrapping paper at £1.20 each and two rolls of ribbon at £0.85 each. What is the total cost of your shopping?
- **Data Handling:** If 60% of the class prefers chocolate coins and 40% prefers candy canes, how many children out of a class of 30 choose chocolate coins?

Did you know? Did you know that if you wanted to bake enough gingerbread cookies for every pupil in a typical primary school of 420 children, you would need to calculate your recipe scaling carefully? If one batch makes 20 cookies, you would need exactly 21 batches to ensure everyone gets one!

Key vocabulary: Calculation · Scaling · Interval · Budgeting · Estimate · Percentage