

Max's Festive Maths Workshop

Get festive with numbers! Join Max the Monkey as he calculates the perfect Christmas celebration.

■ Max is buying boxes of festive crackers. Each box costs £4.75. If he buys 8 boxes, he calculates the total expenditure by multiplying the price by the quantity: $£4.75 \times 8 = £38.00$.

■ When calculating the length of string needed to wrap a rectangular gift, we use the formula: $\text{Perimeter} = 2 \times (\text{length} + \text{width})$. For a box 20cm long and 15cm wide, the perimeter is 70cm.

■ To find the average cost of a £25.50 hamper shared between 3 friends, we use division. The quotient is £8.50 per person.

■ When converting weights for festive baking, remember that 1 kilogram (kg) is equivalent to 1000 grams (g). If a recipe needs 0.75kg of flour, that is exactly 750g.

■ If a shop offers a 'buy one get one half price' deal on items costing £10.00, the total cost for two items becomes £15.00, representing a saving of £5.00.

Did you know? Did you know? If you were to give a gift every day of the traditional 'Twelve Days of Christmas' song, you would be gifting a grand total of 364 presents! That is almost one for every day of the year.

Key vocabulary: Product · Quotient · Multiplicative · Estimation · Expenditure · Perimeter · Decimal notation · Conversion