Max’s Christmas Maths Challenge

Learning objective: To apply Year 5 mathematical skills including multiplication, division, fractions, and money calculations within a festive context.

Read each card carefully. Use your maths skills to solve the festive problem or define the key term. Check your answer against the solution provided on the back of each card.

Max the monkey is buying 6 boxes of baubles for £4.50 each. How much do they cost in total?	**If 48 festive biscuits are shared equally between 4 friends, how many does each friend receive?**
£27.00 (£4.50 × 6 = £27.00)	12 biscuits (48 ÷ 4 = 12)
Zara is painting a rectangular banner for the Christmas party. The length is 4m and the width is 3m. What is the area of the banner?	**Kit the fox has 100 Christmas cards to deliver. He has delivered 3/4 of them. How many cards has he delivered?**
12m² (4m × 3m = 12m²)	75 cards (100 ÷ 4 = 25; 25 × 3 = 75)
What is the product of 12 and 8?	**Pip the caterpillar has £20.00. He spends £12.45 on a book. How much change does he have left?**
96 (12 × 8 = 96)	£7.55 (£20.00 - £12.45 = £7.55)
A string of fairy lights is 15.5 metres long. If you cut it into 5 equal pieces, how long is each piece?	**Define 'Perimeter' in the context of decorating a room.**
3.1 metres (15.5 ÷ 5 = 3.1)	The total distance around the edge of a shape or space.
If a pack of 10 candy canes costs £2.50, what is the cost of one single candy cane?	**Leo the lion has 150 stars to hang. He hangs 50 on Monday and 60 on Tuesday. How many stars are left to hang?**
£0.25 (25p)	40 stars (150 - 50 - 60 = 40)