Kit’s Corner Shop Spreadsheet Challenge

Learning objective: I can identify, create, and use basic formulas in a spreadsheet to solve real-life problems.

About 20 minutes. Grown-up tip: Ask your child to show you how they might use a spreadsheet to keep track of their pocket money spending.

In spreadsheets, cells are labelled by column letter and row number (e.g., B3). We use formulas to calculate values automatically. Always start a formula with an equals sign (=). Example: To add the values in B1 and B2, type =B1+B2 into the cell where you want the answer.

Kit the fox is helping the local corner shop owner track their stock. He has created a spreadsheet to manage the sales of fruit and vegetables. The columns are A (Item), B (Quantity Sold), C (Price per unit), and D (Total).

Word bank: Cell · Formula · Column · Row · Active cell · Sum · Data

1. If the quantity sold is in cell B2 and the price is in cell C2, what formula would you write in cell D2 to calculate the total cost? (1 mark)

2. Kit records 15 apples in cell B3 at £0.20 each in cell C3. What is the correct formula to find the total, and what will the final value in cell D3 be? (2 marks)

3. The shop sells 10 bags of carrots at £0.50 each. If these are in Row 4, explain why using a formula is better than calculating the total in your head. (2 marks)

4. Kit wants to add up all the totals in column D, from row 2 to row 10. Write the 'SUM' formula he should use. (2 marks)

5. If you change the number in cell B2, what happens to the total in cell D2? Explain your reasoning. (2 marks)

Draw: An illustration of Kit the fox, wearing a small smart waistcoat, sitting at a desk in a cosy shop. He is looking at a computer screen that shows a spreadsheet grid. Beside him are a few apples and a bunch of carrots.

Extension challenge: Imagine you are building a budget for a school trip to the seaside. Create a list of 5 items (like ice cream, bus fare, or entry fees) and assign them a price. Write down which cells you would use for your 'Quantity' and 'Price' columns, and the formula you would use to calculate the total budget.

I did it! Name: _____ Date: _____

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