

## Kit's Market Stall Spreadsheet Challenge

*Learning objective: To understand how to use spreadsheets for data management, including inputting data, using basic formulae, and understanding cell references.*

Kit the fox is organising a charity market stall. He has set up a spreadsheet to track his sales. You must act as Kit's assistant. Look at the spreadsheet layout below and use your knowledge of computing to solve the problems. Remember: spreadsheets use cell references (e.g., A1) and formulae must start with an '=' sign.

*Word bank: Cell · Formula · Column · Row · Active Cell · SUM · Range · Data*

**1. Kit wants to calculate the total price of 5 apples at £0.20 each in cell C2. Write the exact formula he should type into the spreadsheet to calculate this. (2 marks)**

**2. Explain why it is better to use a formula like '=B2\*C2' instead of simply typing the answer '1.00' into the cell. (3 marks)**

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**3. If Kit has a list of prices in cells B2 to B10, which formula should he use to find the total value of all items? (2 marks)**

**4. What might happen to the total sum if Kit accidentally deletes the data in cell B5? Justify your answer. (3 marks)**

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**5. Compare and contrast the function of a 'Row' and a 'Column' within a spreadsheet structure. (4 marks)**

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**6. If Kit wants to find the average price of his items, he uses the '=AVERAGE()' function. Explain how this function differs from the '=SUM()' function. (3 marks)**

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**Draw:** Draw a grid representing a spreadsheet. Label the columns 'A', 'B', and 'C'. Label the rows '1', '2', and '3'. Inside cell A2, draw a small icon of an apple, and in cell B2, write the number 0.20.



*Extension challenge: Design a new spreadsheet plan for Kit to track his 'Expenses' vs 'Income'. List the headings you would use for your columns and explain how you would calculate his final 'Profit' using a formula.*