Kit's Computing Challenge: Mastering Data

Learning objective: I can organise, analyse, and present data using digital tools effectively.

About 15 minutes. Grown-up tip: Ask your child to explain the difference between a list on paper and a digital database.

Read each question carefully. For multiple choice, choose the best answer. For calculations, show your working out. Remember: A database sorts information, and a spreadsheet helps us calculate values quickly.

Answer Key: 1-C, 2-B, 3-A, 4-False, 5-True, 6-Formula, 7-A, 8-C, 9-B, 10-Sort. For open questions: Ensure pupils identify that a database is best for searching specific records, while a spreadsheet is best for numerical calculations.

Word bank: Database · Cell · Sort · Formula · Chart

1. Kit wants to store information about 50 different types of woodland birds. Which digital tool is best? A) A spreadsheet B) A word processor C) A database* D) A presentation (1 mark)

2. In a spreadsheet, what do we call the individual box where a row and column meet? A) A sheet B) A cell* C) A record D) A field (1 mark)

3. Which symbol must you type first to tell a spreadsheet to perform a calculation? A) = * B) + C) / D) # (1 mark)

4. True or False: Data can only be presented in a bar chart, never in a pie chart. (1 mark)

5. True or False: A computer database can search through thousands of records in less than a second. (1 mark)

6. If you want to add the values in cell A1 and A2, you must write a _____. (1 mark)

7. If Mo has a list of prices (£2.50, £1.20, £3.00), which action organises them from lowest to highest? A) Sort* B) Filter C) Format D) Merge (1 mark)

8. Which chart type is best for showing how a temperature changes over a week? A) Pie chart B) Bar chart C) Line graph* D) Scatter plot (1 mark)

9. Why do we use labels on the axes of a graph? A) To make it look pretty B) To explain what the data represents* C) To increase the file size D) To hide the data (1 mark)

10. What is the primary purpose of a 'filter' in a database? A) To delete data B) To change the font C) To hide irrelevant data* D) To print the document (1 mark)

Draw: Kit the fox sitting at a desk with a computer, looking at a colourful bar chart on the screen.

Extension challenge: Design a survey for your class about their favourite fruit. Create a table to record the results and suggest which type of chart would best display the information.



I did it! Name: _____ Date: _____

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