

## Kit's Computing Data Challenge

*Learning objective: To understand how to collect, organise, and interpret data using digital tools.*

Help Kit the fox organise his digital library! Read each question carefully and select the best answer.

Answer Key: 1.C, 2.True, 3.A, 4.False, 5.Database, 6.B, 7.C, 8.True, 9.Spreadsheets, 10.B.

*Word bank: Database · Record · Field · Sort · Filter · Spreadsheet · Chart · Data · Information · Query*

**1. Which tool is best for organising a large collection of items with different categories?  
A) A text document B) A calculator C) A database\* D) A paintbrush (1 mark)**

**2. True or False: Data is the raw facts and figures we collect before they are turned into useful information. (1 mark)**

**3. If Kit wants to find only the books written in 2023 from a list, what is he using? A) A filter\* B) A screen C) A printer D) A search engine (1 mark)**

**4. True or False: A 'field' is the entire collection of data about one specific object. (1 mark)**

**5. What is the name for a digital collection of organised information that can be easily searched or sorted? (1-word answer) (1 mark)**

**6. Which visual aid is best for comparing the number of books read by different students? A) A list B) A bar chart\* C) A paragraph D) A digital clock (1 mark)**

**7. What does it mean to 'sort' data? A) To delete it B) To hide it C) To put it in a specific order\* D) To print it (1 mark)**

**8. True or False: You should always check if your data is accurate before making a conclusion. (1 mark)**

**9. What software uses rows and columns to perform calculations on numerical data? (1-word answer) (1 mark)**

10. 10. If a book costs £5.50 and Kit buys 3, what function would a computer use to find the total? A) A filter B) A formula\* C) A sort D) A record (1 mark)

**Draw:** Draw a bar chart that shows the favourite fruits of your friends. Label the axes clearly.



*Extension challenge: Design a survey to find out the favourite hobbies of your classmates. Once you have collected the data, create a simple tally chart to organise your findings.*