

Kit's Computing Data Challenge

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

Help Kit the fox organize 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 organized 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 favorite fruits of your friends. Label the axes clearly.



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