

Year 4 Computing: Data Handling Assessment

Learning objective: To demonstrate understanding of collecting, organising, and presenting data using digital tools and charts.

Read each question carefully. Use the word bank to help you with terminology. Write your answers clearly in the spaces provided.

Kit the fox is helping the BookFlik group organise their library. They have 20 books about space, 15 books about history, and 25 books about animals. Kit wants to create a digital record for each book so the team can find them easily. He decides to use a computer database to sort the information by subject, title, and author.

Word bank: Database · Tally chart · Bar chart · Pictogram · Criteria · Record · Field

1. Kit needs to sort the books into categories. Explain why it is important to choose clear 'criteria' when sorting data. (2 marks)

2. Identify one advantage of using a computer database to store this information instead of using a paper tally chart. (2 marks)

3. If Kit wants to show the number of books in each category visually, which type of graph or chart would be most effective? Give a reason for your choice. (3 marks)

4. Define what a 'field' is in the context of a digital database. (2 marks)

5. The group collects £10 per book donation. They have 60 books in total. Show your calculation to find the total money collected and explain how you would enter this into a digital spreadsheet. (4 marks)

Extension challenge: Total: /25