

Kit's Computing Challenge: Data Handling

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

Join Kit the fox as we solve computing puzzles! Answer all 10 questions to help Kit organise his library database.

Answer Key: 1. B*, 2. True, 3. Tally, 4. C*, 5. False, 6. Sort, 7. A*, 8. Database, 9. True, 10. B*. Explanation: Data handling is how we collect and organise information. A database is a digital tool for storing data. Tallies are used for counting, while charts help us see patterns clearly.

Word bank: Database · Tally · Bar Chart · Information · Sort · Digitise · Frequency · Record

1. 1. Kit wants to store a large list of book titles. What is the best digital tool to use? A) A painting app B) A database* C) A music player D) A calculator (1 mark)

2. 2. True or False: A bar chart is a useful way to visually represent data. (1 mark)

3. 3. What do we call a quick mark used to count items as we collect data? (1 mark)

4. 4. If you have a list of prices (£2, £5, £2, £8), what is the frequency of the number £2? A) 1 B) 3 C) 2* D) 4 (1 mark)

5. 5. True or False: Computers cannot sort information into alphabetical order. (1 mark)

6. 6. To put a list of names from A to Z, you need to _____ the data. (1 mark)

7. 7. Which of these is an example of data? A) A list of favourite colours* B) A dream you had C) A shiny pebble D) A sudden noise (1 mark)

8. 8. What is the word for a single set of information about one item in a database? (1 mark)

9. 9. True or False: Data should be accurate so that the information we gain is correct. (1 mark)

10. 10. If a bar on a chart is higher than the others, what does this tell us? A) It is the smallest value B) It is the highest frequency* C) The data is broken D) The computer is slow (1 mark)

Draw: Draw a simple bar chart showing how many pieces of fruit Kit the fox has: 3 apples, 5 bananas, and 2 pears.



Extension challenge: Imagine you are running a school shop. Create a table to record the sales of three different items (e.g., pencils at 20p, rulers at 50p, and erasers at 30p) over three days.