Kit’s Computing Challenge: Organising Our World

Learning objective: I can collect, organise, and present data using pictograms and tables.

About 15 minutes. Grown-up tip: Ask your child to count the different types of fruit in your kitchen and create a simple tally chart together.

Read each question carefully. Use the word bank to help you. Example: To show 3 people like apples, you draw 3 pictures in a table.

Kit the fox is helping the local school in Manchester. The school held a 'Nature Day' in the park. Children counted the garden animals they spotted near the big oak tree. They saw: 4 hedgehogs, 7 robins, 3 badgers, and 6 foxes.

Word bank: data · pictogram · table · tally · information

1. 1. What is the name for the facts and numbers we collect to learn about something? (1 mark) (1 mark)

2. 2. Complete this tally chart for the animals seen near the oak tree. Use the numbers from the passage (4 hedgehogs, 7 robins, 3 badgers, 6 foxes). (4 marks) (4 marks)

3. 3. Which animal was the most popular to spot? How do you know? (3 marks) (3 marks)

4. 4. Kit wants to make a pictogram. If one fox symbol represents 1 animal, how many symbols would you draw for the hedgehogs? (2 marks) (2 marks)

5. 5. Why is it easier to read a table than a long list of sentences? Give two reasons. (4 marks) (4 marks)

6. 6. Design a survey question you could ask your classmates about their favourite park activity. Then, explain how you would record the data as you ask them. (5 marks) (5 marks)

7. 7. If each symbol in a pictogram represented 2 animals instead of 1, how many symbols would you draw for the 6 foxes? (6 marks) (6 marks)

Draw: A friendly, cartoon fox named Kit wearing a small satchel, standing in a British park with an oak tree in the background, holding a clipboard and pen.

Extension challenge: Total: /25. Challenge: If 2 more hedgehogs were spotted, how would your tally change? Draw the new tally for hedgehogs.

I did it! Name: _____ Date: _____

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