Kit's Clever Computing Quiz: Tracking Data

1. C) Using a tally chart (1 mark)

Working: A tally chart is the most efficient way to record items as they appear in real-time.

Selects C.

2. B) 5 (1 mark)

Working: A tally of 5 is represented by four vertical lines and one diagonal line across them.

Selects B.

3. True (1 mark)

Working: Pictograms use pictures to represent data values.

States True.

4. 5 marks (1 mark)

Working: Four vertical lines and one diagonal line.

States 5 marks.

5. A) Our Favourite Ice Creams (1 mark)

Working: The title should clearly describe the information shown in the chart.

Selects A.

6. 10 (1 mark)

Working: 5 symbols × 2 children per symbol = 10 children.

Calculates 10.

7. D) The labels (1 mark)

Working: Labels identify the categories being counted.

Selects D.

8. False (1 mark)

Working: Tables can contain words to describe categories or labels.

States False.

9. Column (1 mark)

Working: Tables are organised into rows and columns.

States Column.

10. A) To help us answer questions and spot patterns (1 mark)

Look for: The student understands the purpose of data handling is to interpret information.

Good: To see patterns.

Better: We collect data to help us answer questions and see patterns in things like games.

Best: We collect data to help us answer questions and spot patterns, which makes it easier to understand information.

What moves an answer up: Moving from a simple statement to a full sentence with context improves the answer.

What a secure answer looks like

A secure answer shows an understanding that tallies are for recording and pictograms/tables are for presenting information clearly.

If your child is stuck

Ask your child to imagine they are counting birds in the garden; would they rather write a long story or just make a quick mark for each bird they see?

Common mistakes to watch for

Children often forget that a diagonal line represents the 5th mark in a tally, or they misinterpret the 'key'

in a pictogram (e.g., thinking one symbol always equals one).