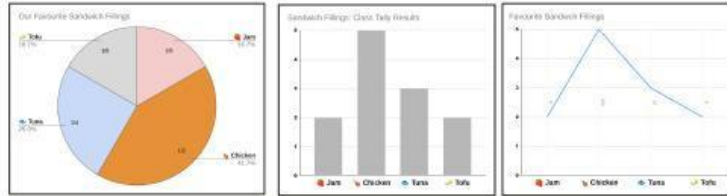


Questions for Meaningful Data Representation



1. If you wanted to quickly count how many students chose each filling, which graph works best?

☐ Column Graph ☐ Pie Chart ☐ Line Graph

2. Which graph would be most useful for helping the canteen decide how many of each sandwich to make?

☐ Column Graph ☐ Pie Chart ☐ Line Graph

Give a reason: _____

3. The line graph suggests that sandwich preferences change gradually from one type to another. Is this true?

☐ Yes, students' preferences change smoothly from chicken to tuna to jam to tofu

☐ No, these are separate categories that don't connect to each other

4. Line graphs work best for data that:

☐ Shows separate categories (like sandwich types)

☐ Shows changes over time (like temperature during the day)

☐ Shows different groups of people

5. The canteen manager wants to see what fraction of students prefers each filling. Which graph should you show her?

☐ Column Graph ☐ Pie Chart ☐ Line Graph

6. To see that chicken represents 1/2 of all choices, which graph is most helpful?

☐ Column Graph ☐ Pie Chart ☐ Line Graph

Explain: _____