

# Basic Logic and Sorting Concepts

Logic · Answer Key · 8 Questions

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**1. What is the name of a diagram with overlapping circles used to compare similarities and differences?**

- A) Pie chart
- B) Venn diagram**
- C) Bar graph
- D) Flowchart

**2. In logic, what do we call an arrangement of objects, shapes, or numbers that repeats following a rule?**

- A) A pattern**
- B) A rumor
- C) A mistake
- D) A random list

**3. In cause-and-effect reasoning, what term describes the initial event that makes something else happen?**

- A) The effect
- B) The answer
- C) The cause**
- D) The pattern

**4. In basic logic, which word is used when TWO conditions must both be true at the same time?**

- A) OR
- B) NOT
- C) MAYBE
- D) AND**

**5. What is a collection of objects that share a similar feature or property called in logic?**

- A) A set**
- B) A column
- C) A guess
- D) A line

**6. Which sorting tool uses a grid based on 'yes' or 'no' features to organize items?**

A) A line graph

**B) A Carroll diagram**

C) A pie chart

D) A tally chart

**7. What is the term for a reasoned decision or judgment made after examining facts?**

A) A clue

B) An observation

**C) A conclusion**

D) A question

**8. On a logic puzzle grid, what do we call the horizontal lines of squares running left to right?**

A) Columns

B) Diagonals

C) Corners

**D) Rows**