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The Birthday Party Puzzle



Four friends (Alice, Bob, Charlie, and David) have their birthdays in different months: January, March, May, and July.

Use the clues to figure out each friend's birthday month.

- Alice's birthday is not in May or January.
- Bob's birthday is earlier in the year than Charlie's.
- David's birthday is in the middle of the year.

The Birthday Party Puzzle



Solution:

- Clues Breakdown:
 - a. Alice ≠ May, Alice ≠ January
 - b.**Bob < Charlie**
 - c. David = Middle of the year

Deductions:

- Alice's birthday must be in March or July.
- David's birthday must be in May (middle of the year).
- Bob's birthday is earlier in the year than Charlie's, so it must be in January or March.
- Since David's birthday is May, Charlie's birthday cannot be in May and must be July.
- This leaves Bob with January and Alice with March.

Final Placement:

- Alice: March
- Bob: January
- Charlie: July
- David: May

