

Logic Grid Puzzle #12

Walkthrough Guide

General How-To:

- Use an X to indicate an answer is incorrect, and an O to indicate it is correct.
- Whenever something is an O (correct), the cross of clues surrounding the O will all be Xs (so if Mary/Iris is an O, the other four Flowers for Mary are Xs and the other four Names for Iris are Xs)
- "Cleanup" takes place at the end of a set of clues typically when something new becomes known "O", or a unique set of new knowledge is gained. The most common form of cleanup is when one partner of two known pairs knows something the other does not, the other partner can share that knowledge.
 - For example, say Category 1 "A", and Category 2 "Z" are paired with an O and "A" is known to have an X in Category 3 "Item". "Z" would also have to be X for "Item".

Hint #1:

"The Red Flower (which was planted by either Mary or Elaine) was not the Orchid or the Lily."

- Clue 1: Red is Mary or Elaine, therefore not the other three Names.
 - Place an X in Red/David, Red/Bill, AND Red/Ellen.
- Clue 2: Red is not the Orchid or Lily.
 - Place an X in Red/Orchid, AND Red/Lily.

Hint #2:

"Of the Tulip and the flower planted in the Community Garden, one was planted by Ellen and the other was the Purple flower."

- Clue 1: Tulip is different from Community.
 - Place an X in Tulip/Community.
- Clue 2: Ellen is different from Purple.
 - Place an X in Ellen/Purple

Hint #3:

"Neither the Rose nor the Iris were planted at the Butterfly or Park Gardens (one of which contained the Orange flower)."

- Clue 1: Rose and Iris are not Butterfly or Park.
 - Place an X in Rose/Butterfly, Rose/Park, Iris/Butterfly, AND Iris/Park.
- Clue 2: Orange is either Butterfly or Park, therefore not the other three gardens.
 - Place an X in Orange/Raised Bed, Orange/Community, AND Orange/Greenhouse.
- Clue 3: Because Orange is only Butterfly and Park, and Rose and Iris are NOT those parks, orange cannot be Rose or Iris.
 - Place an X in Orange/Rose, AND Orange/Iris.

Hint #4:

"David planted at the Greenhouse, but not the Tulip or Lily."

- Clue 1: David is Greenhouse.

- Place an O in David/Greenhouse.
- Clue 2: David (and therefore Greenhouse) is not Tulip or Lily.
 - Place an X in David/Tulip, David/Lily, Greenhouse/Tulip, AND Greenhouse/Lily.
- Cleanup: Knowing David = Greenhouse...
 - Place an X in Greenhouse/Red, AND David/Orange.

Hint #5:

“The five gardeners are Bill, the one who planted the White flower, the one who planted the Rose (which was not Yellow), the one who planted at the Park garden, and Mary (who did not plant at the Raised Bed garden).”

- Clue 1: Bill is not White, Rose, or Park.
 - Place an X in Bill/White, Bill/Rose, AND Bill/Park.
- Clue 2: White is not Rose, Park, or Mary.
 - Place an X in White/Rose, White/Park, AND White/Mary.
- Clue 3: Rose is not Yellow, Park, or Mary.
 - Place an X in Rose/Yellow, Rose/Park (known), AND Rose/Mary.
- Clue 4: Park is not Mary.
 - Place an X in Park/Mary.
- Clue 5: Mary is not Raised Bed.
 - Place an X in Mary/Raised Bed.

Hint #6:

“The Iris was not planted at the Greenhouse. Ellen's flower was not Yellow.”

- Clue 1: Iris is not Greenhouse (and therefore David).
 - Place an X in Iris/Greenhouse, AND Iris/David.
- Clue 2: Ellen is not Yellow.
 - Place an X in Ellen/Yellow.

Hint #7:

“If Mary or Bill planted at the Community Garden, then Bill planted the Lily.”

- No new information.

Return to Hint #2:

- Advanced Clue 1: Tulip and Community are either Purple or Ellen (which is not Red or Yellow), so Tulip or Community cannot be Red or Yellow.
 - Place an X in Tulip/Red, Tulip/Yellow, Community/Red, AND Community/Yellow.
- Advanced Clue 2: Ellen and Purple are either Community or Tulip (which is not Greenhouse), so Ellen and Purple cannot be Greenhouse (and therefore David).
 - Place an X in Purple/Greenhouse, AND Purple/David.
- Advanced Cleanup: Red can only be Rose or Iris, and since both Rose and Iris cannot be Butterfly or Park, Red cannot be Butterfly or Park.
 - Place an X in Red/Butterfly, AND Red/Park.
- This will leave Raised Bed as the only Garden for Red.
 - Place an O in Red/Raised Bed.
- Cleanup: Knowing Red = Raised Bed...

- Place an X in Raised Bed/Tulip, Raised Bed/Orchid, Raised Bed/Lily, Raised Bed/Bill, Raised Bed/Ellen, AND Red/Mary.
- This will leave Elaine as the only Name for Raised Bed and Red.
 - Place an O in Raised Bed/Elaine, AND Red/Elaine.
- This will leave Ellen as the only Name for Park.
 - Place an O in Ellen/Park.
- Cleanup: Knowing the new O pairs...
 - Place an X in Elaine/Tulip, Elaine/Orchid, Elaine/Lily, Ellen/Rose, Ellen/Iris, Ellen/White, Park/Yellow, AND Park/Purple.
- This will leave Orange as the only Color for Park and Ellen, and White as the only Color for David (and therefore Greenhouse).
 - Place an O in Orange/Park, Orange/Ellen, White/David, AND White/Greenhouse.
- This will leave Butterfly the only Garden for Yellow, and Community the only Garden for Purple.
 - Place an O in Butterfly/Yellow, AND Community/Purple.
- Cleanup: Knowing the new O pairs...
 - Place an X in Yellow/Iris, Butterfly/Tulip, Purple/Tulip, David/Rose, White/Tulip, White/Iris, White/Lily, AND Greenhouse/Rose.
- This will leave Tulip the only Flower for Orange and Park, Rose the only flower for Elaine (and therefore Raised Bed and Red), and Orchid the only Flower for David, White and Greenhouse.
 - Place an O in Tulip/Orange, Tulip/Park, Rose/Elaine, Rose/Raised Bed, Rose/Red, Orchid/David, Orchid/White, AND Orchid/Greenhouse.
 - Rose = Elaine = Red = Raised Bed
 - Orchid = David = White = Greenhouse
- This will leave Iris the only Flower for Purple and Community, and Lily the only Flower for Yellow and Butterfly.
 - Place an O in Iris/Purple, Iris/Community, Lily/Yellow, AND Lily/Butterfly.

Return to Hint #7:

- Clue 1: Mary or Bill is Community so Bill is Lily (and therefore Yellow and Butterfly).
 - Place an O in Bill/Lily, Bill/Yellow, AND Bill/Butterfly.
 - Lily = Bill = Yellow = Butterfly
- This will leave Mary the only Name for Iris, Community and Purple, and Ellen the only Name for Tulip.
 - Place an O in Mary/Iris, Mary/Community, Mary Purple, AND Ellen/Tulip.
 - Tulip = Ellen = Orange = Park
 - Iris = Mary = Purple = Community

Final Solution:

- Tulip = Ellen = Orange = Park
- Rose = Elaine = Red = Raised Bed
- Iris = Mary = Purple = Community
- Orchid = David = White = Greenhouse
- Lily = Bill = Yellow = Butterfly