

TABLE OF CONTENTS

Introductory Information

Teaching Suggestions..... 1
How to Solve a Multi-Dimensional *Mind Bender*®..... 2

Exercises 4

Detailed Solutions..... 46

Balance Benders™ Sample 62

Free resource from www.criticalthinking.com. Commercial redistribution prohibited

Nicknames

Eight married couples live in the same neighborhood. The women (Charlotte, Christine, Elizabeth, Estelle, Gertrude, Rebecca, Rosalyn, and Veronica) and the men (Edward, Emmanuel, Eugene, Frederick, Gerald, Norbert, Robert, and William) call each person by a nickname which is commonly used for that given name. Each couple grows only one kind of flower (English daisy, marigold, nasturtium, phlox, rose, sweet pea, tiger lily, and zinnia), and each couple has been married for a different number of years than the other couples (1, 2, 4, 5, 7, 9, 13, and 20). The couples' last names are Archer, Bradley, Drake, Humboldt, Ingersoll, Jamison, Kendall, and Lopez. Read the clues to find each couple's full name, flower, and years married.

1. The tiger lily is not grown by any of these six people: Lottie, Bob, Mr. Lopez, Ronnie, Ted, and Trudy.
2. Each of the people in clue 1 is married to someone not mentioned in clue 1.
3. The Drakes and the couple who grow tiger lilies have been married longer than the zinnia growers, who have been married longer than the Bradleys and the Kendalls.
4. Bob has not been married as long as Gene.
5. The Archers invited Ronnie and her husband, Jerry, to their summer cottage in Michigan.
6. Bob, Beth, Lynn, and the Drakes all took turns visiting Bob's wife when she was in the hospital two weeks ago.
7. The Ingersolls and the phlox growers have been married longer than the Humboldts, who have been married four years longer than Trudy and her husband.
8. Stella, who has been married two years longer than Bob, is an old friend of the couple who has been married four years.
9. Becky, her husband, and the Ingersolls all went to the beach last Saturday.
10. Neither the Lopezes nor the marigold growers have been married as long as the Bradleys.
11. Becky has been married longer than Gene but not as long as the couple who grow tiger lilies.
12. Trudy and Tina went shopping yesterday with Mrs. Archer and Mrs. Kendall.
13. The zinnia growers live between Bob and the Bradleys.
14. Gene knew Lynn and the Lopezes before he moved into the neighborhood last year.
15. Bert has been married twice as long as Manny but not as long as the marigold growers.
16. Trudy has been married longer than the English daisy growers but not as long as Rick.
17. The nasturtium growers have been married longer than Manny and the English daisy growers, but not as long as the rose growers.
18. Beth does not grow sweet peas.

	Archer	Bradley	Drake	Humboldt	Ingersoll	Jamison	Kendall	Lopez	Edward	Emmanuel	Eugene	Frederick	Gerald	Norbert	Robert	William	English daisy	marigold	nasturtium	phlox	rose	sweet pea	tiger lily	zinnia	1	2	4	5	7	9	13	20	
Charlotte																																	
Christine																																	
Elizabeth																																	
Estelle																																	
Gertrude																																	
Rebecca																																	
Rosalyn																																	
Veronica																																	
Edward																																	
Emmanuel																																	
Eugene																																	
Frederick																																	
Gerald																																	
Norbert																																	
Robert																																	
William																																	
English daisy																																	
marigold																																	
nasturtium																																	
phlox																																	
rose																																	
sweet pea																																	
tiger lily																																	
zinnia																																	
1																																	
2																																	
4																																	
5																																	
7																																	
9																																	
13																																	
20																																	

Free resource from www.criticalthinking.com. Commercial redistribution prohibited