

LOGIC PROBLEMS X2

Printable Collection of 12 Logic Problems



Camping Spaces

by Shelly Hazard

Four couples decided to go camping to the state forest one weekend. Each couple traveled in a different van and each chose a separate camping spot. The camping sites were all labeled with a space number and while they were in the same area, the sites were not touching. Using the clues and the grid below, determine the full name of each couple, the color of their van, and the number of their camping space.

1. Bill, who is not married to Laura, didn't drive a black van.
2. Chuck and his wife Brenda were not camped in space #35. Brenda's last name is not Forrest.
3. The Lewis couple, who drove a tan van, camped in space #31.
4. Tom camped in a space numbered lower than the one Cindy camped in but higher than the couple who drove in the red van did.
5. Tom isn't married to Mary Tread. Steve Branch didn't drive a blue van.
6. The couple driving the black van camped in space #43.

First Name	First Name	Last Name	Van Color	Space #



Camping Spaces

by Shelly Hazard

	Brenda	Cindy	Laura	Mary	Branch	Forrest	Lewis	Tread	Black	Blue	Red	Tan	#29	#31	#35	#43
Bill																
Chuck																
Steve																
Tom																
#29																
#31																
#35																
#43																
Black																
Blue																
Red																
Tan																
Branch																
Forrest																
Lewis																
Tread																



Home Improvements

by Shelly Hazard

Four neighbors decided one summer to improve their homes. Each couple planned on an outside home improvement to take advantage of the good summer weather. However, once they got started, they got carried away and worked on an inside home improvement too. Using the clues, determine the full name of each couple and the two home improvements each couple made.

1. George, who wasn't married to Kim, didn't remodel the kitchen.
2. Ted Manor and his wife had the roof replaced.
3. Larry and Alice didn't add a bathroom or landscape their yard.
4. Burt, who wasn't married to Mary Wells, installed new carpeting in the bedrooms but didn't add a swimming pool.
5. Tara, whose last name wasn't Fischer, added a new garage.
6. The Parkers didn't remodel the kitchen. The couple that finished their basement into a game room was the couple that landscaped their yard.

First Name	First Name	Last Name	Outside home improvement	Inside home improvement



Home Improvements

by Shelly Hazard

	Alice	Kim	Mary	Tara	Fischer	Manor	Parker	Wells	landscaping	new garage	replaced roof	swimming pool	additional bathroom	finished basement	remodeled kitchen	replaced carpeting
Burt																
George																
Larry																
Ted																
additional bathroom																
finished basement																
remodeled kitchen																
replaced carpeting																
landscaping																
new garage																
replaced roof																
swimming pool																
Fischer																
Manor																
Parker																
Wells																



Garden Plans

by Shelly Hazard

Spring is in the air and four garden enthusiasts are eagerly making their plans for their spring planting. Each gardener is planning one large garden planned for vegetables and several smaller gardens for flowers. This year's planting will include one more vegetable and one more flower than last year's gardens had. As it happens, each gardener also plans to break ground on the garden on a different day. Use the clues to determine the full name of each gardener, what new vegetable and flower will be grown, and which day each plans to break ground.

1. Mr. Heart didn't plan to break ground on Monday. Patrick's last name isn't Lamb.
2. Marge didn't plant peas. The gardener, whose first name isn't Patrick, breaking ground on Thursday is planting corn and daffodils.
3. Toby Garick plans to break ground on Friday but he's not planting corn or azaleas.
4. The gardener planning on roses isn't planting on Thursday. Sharon Adler is planting peas, but not daffodils, and she isn't planting on Saturday.
5. The gardener planting on Friday isn't planting beans.
6. The gardener planting carrots will break ground after the gardener planting azaleas but before the gardener planting tulips and beans.

First Name	Last Name	Vegetable	Flower	Day



Garden Plans

by Shelly Hazard

	Adler	Garick	Heart	Lamb	beans	carrots	corn	peas	azaleas	daffodils	roses	tulips	Monday	Thursday	Friday	Saturday
Marge																
Patrick																
Sharon																
Toby																
Monday																
Thursday																
Friday																
Saturday																
azaleas																
daffodils																
roses																
tulips																
beans																
carrots																
corn																
peas																



Apartment Delivery

by Shelly Hazard

Four people ordered items from a popular mail order catalog. They all lived in the same apartment building and all on the same floor. Each person ordered one item and each item was delivered on a different day during the same week. Determine the full name of each person, their apartment number, the day their item was delivered, and what each item was.

1. Mr. Small, in apartment #426, didn't receive his item on Tuesday.
2. The man who received his item on Monday lived in apartment #437. Peter didn't get a toaster oven.
3. The order of deliveries was the vacuum cleaner, Mitch's item, the item for apartment #419, and the coffeemaker.
4. Peter Raleigh didn't receive the vacuum cleaner and didn't live in apartment #415.
5. Mr. Wallis, who wasn't Stan, received the toaster oven, but not on Friday.
6. The bookcase arrived on Thursday, but Terry, whose last name wasn't Madison, didn't receive it.

First Name	Last Name	Apartment #	Delivery Date	Item



Apartment Delivery

by Shelly Hazard

	Madison	Raleigh	Small	Wallis	#415	#419	#426	#437	Monday	Tuesday	Thursday	Friday	bookcase	coffeemaker	toaster oven	vacuum cleaner
Mitch																
Peter																
Stan																
Terry																
bookcase																
coffeemaker																
toaster oven																
vacuum cleaner																
Monday																
Tuesday																
Thursday																
Friday																
#415																
#419																
#426																
#437																



Boys and Sports

by Shelly Hazard

Wilma and three other women were comparing notes about the achievements of their sons. Each son had a favorite sport and each was a star player. The boys ranged in age from 10 years old to 13 years old. Determine the full name of each mother, the name of her son, the sport each son played, and how old each son was.

1. Sara Copper's son, who wasn't Brian, didn't play soccer.
2. The boy who played basketball was the youngest. Mrs. Green's son was a year younger than the boy who played baseball but a year older than Sara's son.
3. The oldest boy, who wasn't Mark, was Sharon's son but he didn't play hockey.
4. The boy who played baseball was a year older than the boy who played hockey.
5. From youngest to oldest, the boys were Mark, Teresa's son, Mrs. Silver's son, and Eric.
6. Mrs. Wild's son was two years older than Chris.

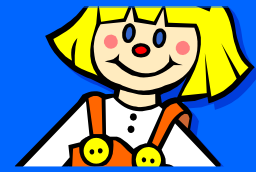
First Name	Last Name	Son's Name	Sport	Age



Boys and Sports

by Shelly Hazard

	Copper	Green	Silver	Wild	Brian	Chris	Eric	Mark	Baseball	Basketball	Hockey	Soccer	10	11	12	13
Sara																
Sharon																
Teresa																
Wilma																
10																
11																
12																
13																
Baseball																
Basketball																
Hockey																
Soccer																
Brian																
Chris																
Eric																
Mark																



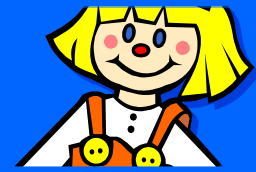
Mom Goes Shopping

by Shelly Hazard

A woman took her four kids shopping one afternoon. To keep peace, she said she'd buy one item each of their choice. As she shopped, she discovered that there were four extra items in her shopping cart that she hadn't added or approved. After leaving the store, they stopped at an ice cream stand for a snack. She bought each child got an ice cream cone and a drink. From the clues, determine the item each child got, the extra item each child snuck into the cart, the flavor of ice cream each got, and the type of drink.

1. Amanda, who had maple walnut ice cream, didn't get the fruit juice or the coloring book.
2. Sara didn't get the comic book or the doll but she did slip the board game into the cart.
3. The boy who got the toy car didn't add the action figure and didn't have strawberry ice cream.
4. Each child is represented by the following: the girl who got the doll, the boy who got chocolate chip ice cream, Chris, and the girl who got milk.
5. Sara didn't have vanilla ice cream. The boy who added the baseball cards got water to drink.
6. The child who got the computer game got iced tea. Larry didn't get water.

Child's name	Item approved	Item snuck in	Ice cream flavor	Drink



Mom Goes Shopping

by Shelly Hazard

	coloring book	comic book	doll	toy car	action figure	baseball cards	board game	computer game	chocolate chip	maple walnut	strawberry	vanilla	fruit juice	iced tea	milk	water
Amanda																
Chris																
Larry																
Sara																
fruit juice																
iced tea																
milk																
water																
chocolate chip																
maple walnut																
strawberry																
vanilla																
action figure																
baseball cards																
board game																
computer game																



Summer Camp Swim Meet

by Shelly Hazard

Last weekend, the Woodland Boys summer camp hosted their annual swim meet with their rivals, the Lakeside Boys camp, the Wild River camp, and the Forest Ridge camp. The swim meet lasted all day and involved a number of events, which each camp team participated in. This particular meet was very exciting since each team broke a meet record for a different event. In the history of the camp event, never before had four records been broken at a single meet. From the clues below, determine the full name of each team captain, the camp each team was from, the team's colors, and the event each team broke the record for.

1. Sam Brown wasn't the team captain from the Woodland Park Camp and his team wasn't wearing purple. The Forest Ridge camp, which Dan wasn't with, was Mr. Smart's camp.
2. The Woodland Park Camp team colors were red.
3. Mark, whose last name wasn't Manor or Smart, was the captain of the purple team. The Lakeside camp team didn't win the diving competition.
4. The Forest Ridge camp colors weren't red or blue. The Wild River Camp team won the 1-mile race.
5. Bill's team didn't win the freestyle race.
6. The four camps are represented by: the camp that won the relay race, Mr. Rand's team, the green team, and Dan's team.

Team Captain's First Name	Team Captain's Last Name	Team's Camp	Team's Colors	Event



Summer Camp Swim Meet

by Shelly Hazard

	Brown	Manor	Rand	Smart	Forest Ridge Camp	Lakeside Camp	Wild River Camp	Woodland Park Camp	blue	green	purple	red	1-mile race	diving competition	freestyle race	relay race
Bill																
Dan																
Mark																
Sam																
1-mile race																
diving competition																
freestyle race																
relay race																
blue																
green																
purple																
red																
Forest Ridge Camp																
Lakeside Camp																
Wild River Camp																
Woodland Park Camp																



Bridal Shower

by Shelly Hazard

Gary and Rebecca are getting married! They've set the date, sent invitations, and are busy with all the little details for the big event. Her mother and some friends busily planned a bridal shower, keeping Rebecca in the dark, of course. Then one Sunday afternoon Gary delivered a very surprised Rebecca, at the pre-determined time of 2:30 pm, to her bridal shower. The afternoon was a big success and they got many fine gifts to help get their new home started. From the clues below, determine the full names of four of Rebecca's friends, the gifts each gave, the snacks they brought to serve, and what time they arrived (all arrived between 2:00pm and 2:15pm).

1. Mrs. Parker, who didn't bring the apple pie, arrived ten minutes before Sara. Holly, who wasn't Mrs. Smith, didn't bring the coffee maker.
2. The woman who gave the coffee maker arrived at 2:00 pm.
3. Holly, who didn't bring the brownies, arrived before Sara Lewis.
4. The order of arrival was Linda, who was first, the woman who gave the toaster oven, the woman who brought the cheesecake, and Brenda.
5. The woman whose gift was a bread machine arrived five minutes after Mrs. Winter but five minutes before the woman who gave the microwave.
6. Brenda brought the cookies.

First Name	Last Name	Gift	Treat	Arrival Time



Bridal Shower

by Shelly Hazard

	Lewis	Parker	Smith	Winter	bread machine	coffee maker	microwave	toaster oven	apple pie	brownies	cheesecake	cookies	2:00 PM	2:05 PM	2:10 PM	2:15 PM
Brenda																
Holly																
Linda																
Sara																
2:00 PM																
2:05 PM																
2:10 PM																
2:15 PM																
apple pie																
brownies																
cheesecake																
cookies																
bread machine																
coffee maker																
microwave																
toaster oven																



Lunch Time!

by Shelly Hazard

Four friends met one day for lunch at their favorite diner. Each ordered a sandwich, one side dish, and a dessert. As it happens, everyone ordered something different. Determine the full name of each person and what they had for lunch.

1. Peter Wish didn't have French fries with his sandwich, which wasn't roast beef. The man who had the rice pilaf also had chocolate cake.
2. Mr. Tummel, whose first name wasn't Tim, didn't order the garden salad or the apple pie. Walter didn't order a tuna sandwich or baked potato.
3. Sam thought the hot fudge sundae looked a lot better than his dessert but he agreed that his side dish was a lot better than Tim's salad.
4. Mr. Summer and Peter didn't order a dessert with ice cream. Sam didn't order the baked potato though he did get the turkey sandwich.
5. The man who got vanilla ice cream, and it wasn't Walter, ordered French fries with his sandwich.
6. Mr. Wayvern, whose first name wasn't Walter, ordered a ham sandwich but didn't order apple pie.

First Name	Last Name	Sandwich	Side Dish	Dessert



Lunch Time!

by Shelly Hazard

	Summer	Tummel	Wayvern	Wish	ham	roast beef	tuna	turkey	baked potato	french fries	garden salad	rice pilaf	apple pie	chocolate cake	hot fudge sundae	vanilla ice cream
Peter																
Sam																
Tim																
Walter																
apple pie																
chocolate cake																
hot fudge sundae																
vanilla ice cream																
baked potato																
french fries																
garden salad																
rice pilaf																
ham																
roast beef																
tuna																
turkey																



Fall Dance Competition

by Shelly Hazard

Saturday night, four couples went to the town’s annual fall dance competition. Each couple dressed in matching colors and they all performed very well. The competition was fierce but friendly and everyone had a grand time. Determine the name of each couple, their place in the competition, and the color each couple wore.

1. Tom, who wasn’t married to Jean, placed better than Mary and her husband but worse than the West couple did.
2. The couple wearing brown won the event. Mr. and Mrs. King came in 4th place.
3. Bill Snow and his wife didn’t wear the green outfits. Jean wasn’t married to John.
4. The couple wearing blue placed after the couple wearing red but before the King couple.
5. From 4th place to 1st place, the couples won in the following order: John and his wife, the couple wearing blue, Mr. and Mrs. Forest, Brenda and her husband.
6. George and his wife placed better than Tom and Sara.

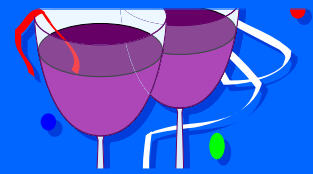
First Name	First Name	Last Name	Place	Color



Fall Dance Competition

by Shelly Hazard

	Brenda	Jean	Mary	Sara	Forest	King	Snow	West	1st place	2nd place	3rd place	4th place	blue	brown	green	red
Bill																
George																
John																
Tom																
blue																
brown																
green																
red																
1st place																
2nd place																
3rd place																
4th place																
Forest																
King																
Snow																
West																



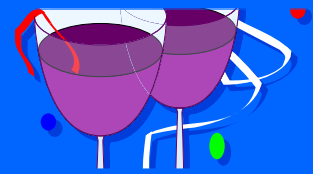
Holiday Party

by Shelly Hazard

Last Friday night, four couples met at a friend's home for an evening of companionship and entertainment to celebrate the coming holidays. The meal was pot luck style, so each couple contributed a dish of food. As it happened, each couple arrived in fifteen minute increments, between 5:30 pm and 6:15 pm. Determine the name of each couple, the time they arrived, and what dish each contributed to the pot luck supper.

1. Mary's last name wasn't Grant.
2. The couple that brought the tuna casserole arrived first, promptly at 5:30 pm. The couple that brought the cheesecake arrived last (Pam's cheesecake was everyone's favorite dessert).
3. Wendy was married to neither Tom nor Mr. Park. The Browns brought the lasagna.
4. The first couple to arrive was Mr. and Mrs. Wish; the second, Wendy Brown and her husband; the third, the couple who brought pasta salad; and the last couple to arrive was Karl and Pam.
5. Cindy, whose last name wasn't Park, didn't bring the pasta salad.
6. Peter, whose last name wasn't Wish, arrived fifteen minutes after the couple who brought tuna casserole for dinner but before the Grants. Bob and his wife Mary didn't bring the cheesecake.

First Name	First Name	Last Name	Arrival Time	Pot Luck Dish



Holiday Party

by Shelly Hazard

	Cindy	Mary	Pam	Wendy	Brown	Grant	Park	Wish	5:30 PM	5:45 PM	6:00 PM	6:15 PM	cheesecake	lasagna	pasta salad	tuna casserole
Bob																
Karl																
Peter																
Tom																
cheesecake																
lasagna																
pasta salad																
tuna casserole																
5:30 PM																
5:45 PM																
6:00 PM																
6:15 PM																
Brown																
Grant																
Park																
Wish																



New Year's Resolutions

by Shelly Hazard

It's traditional on New Year's Eve to announce your New Year's resolutions, those things that you're going to do better or more of during the new year. The four couples who met at Mark's place for New Year's eve made no exception to this tradition. Each couple announced their resolutions for the New Year, vowing that this year, they would do them. To help them with this goal, each made their resolution a specific, achievable goal, rather than the ethereal "I'll do more" kind of resolution. Determine the full name of each couple and the New Year's resolution each couple announced.

1. Tom and his wife were determined to take their kids camping during the summer this year.
2. Mr. Club, who wasn't Greg, announced that they were planning to exercise at least twice a week. Martha wasn't married to Mark.
3. Sam didn't plan to buy a new home. Carol Diamond didn't plan to lose 30 pounds.
4. Greg wasn't married to Sara.
5. Each couple is represented by: Mr. and Mrs. Spade, the couple who plan to buy a new home, Paula and her husband, and Tom Heart.
6. Sam Spade wasn't married to Sara.

First Name	First Name	Last Name	New Year's Resolution



New Year's Resolutions

by Shelly Hazard

	Carol	Martha	Paula	Sara	Club	Diamond	Heart	Spade	buy a new home	camping with kids	exercise twice/week	lose 30 pounds
Greg												
Mark												
Sam												
Tom												
buy a new home												
camping with kids												
exercise twice/week												
lose 30 pounds												
Club												
Diamond												
Heart												
Spade												