## $\underset{\text { PROBLEMS }}{\text { LOGIC }}$

Printable Collection of 12 Logic Problems

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Printable Collection of 12 Logic Problems

## A Room for the Maids <br> by S helly Hazard

Five maids were busy cleaning hotel rooms for the next night's guests. Each maid watched TV in the rooms while she worked and each room needed items replaced from the guests who stayed the night before. From the clues, determine the full name of each maid, what kind of TV shows each watched, what item each had to replace, and what room number each cleaned.

1. Betty, who didn't clean room \#607, doesn't like the soap operas but did replace the soaps. The maid who liked watching the religious channel replaced the used glasses but she wasn't Mrs. Daley or Patty.
2. Lois, whose last name isn't Holt, cleaned room \#622.
3. The maid who replaced the glasses, the maid who watches game shows, and Doris didn't clean on the 6th floor.
4. Each room number, from the lowest to the highest, is represented by the following list: the maid who watches talk shows, Mrs. Locke, Holly, the maid who watches the history channels, the woman who replaced the towels.
5. Mrs. Daley, whose first name is not Lois, didn't replace the toilet paper.
6. Patty's last name is Burns.

| First Name | Last Name | TV Show | Replaced Item | Room \# |
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## A Room for the Maids <br> by Shelly Hazard

|  | $\begin{gathered} \infty \\ \\ \end{gathered}$ | $\frac{\stackrel{\rightharpoonup}{0}}{\pi}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\mathbf{o}} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \text { 응 } \end{aligned}$ | $\frac{\varepsilon}{\bar{\sigma}}$ |  |  |  |  | $\begin{array}{\|c} n \\ n_{n} \\ 0 \\ \substack{n \\ \\ \\ \hline} \\ \hline \end{array}$ |  | $\begin{aligned} & \mathscr{0} \\ & 0 \\ & \stackrel{0}{0} \\ & \stackrel{0}{\sigma} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 毋 } \\ & \stackrel{\rightharpoonup}{0} \\ & \text { O} \end{aligned}$ |  |  | $\stackrel{0}{0}$ |  | $\begin{aligned} & 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\frac{N}{i n}$ | $\stackrel{\sim}{0}$ | - | N |
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| Betty |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Doris |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Holly |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lois |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Patty |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 504 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 512 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 531 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 607 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 622 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| glasses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| soaps |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| stationary |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| toilet paper |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| towels |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| game shows |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| history channel |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| religious channel |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| soap operas |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| talk shows |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# $\underset{\substack{\text { LOGIC } \\ \text { froseless }}}{ }$ 

Printable Collection of 12 Logic Problems

## Widgets and Gadgets

by Shelly Hazard
Joe worked in the customer service department for Gadget, Inc. In one day, he got five customer complaint calls. Each call was from a different customer and each complaint was on a different product. From the clues, identify the full name of each person Joe talked to, the name of each customer's company, the product each customer owned, and the problem each customer had

1. Bill, who didn't work for Simplicity, didn't call about a missing parts problem.
2. George didn't work for Pine or Simplicity. Jake Bally didn't work for Pine and didn't have a Gizmo.
3. Mr. Tate, who didn't have a Widget, worked at Hi-Tech. One customer called because their Dodge-It was damaged.
4. George Mann didn't work for Telcott but he did have a Fetch-It. Harry called because his product was assembled wrong but it wasn't a Gizmo.
5. The five customers are: the customer with a Gizmo, Tim's company, Telcott, Mr. Sikes' company, and the customer with the product that received with the wrong options.
6. Mr. Heart, who didn't work for Pine, called about the Gadget but it wasn't because it was dead on arrival.

| First Name | Last Name | Company | Product | Problem |
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Printable Collection of 12 Logic Problems

## Widgets and Gadgets

by Shelly Hazard

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| Bill |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| George |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Harry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jake |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tim |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| assembled wrong |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| damaged |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| dead on arrival |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| missing parts |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| wrong options |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dodge-It |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fetch-It |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gadget |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gizmo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Widget |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hardwell |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hi -Tech |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pine |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Simplicity |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Telcott |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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## Veterinary Blues <br> by S helly Hazard

A busy veterinarian had a full day of appointments with various people and their pets. However, his secretary was having a bad day. The computer crashed and they had to piece together who came in when. Unfortunately, they didn't piece it together very well. Use the following clues to determine the full name of each pet owner, the name of the pet, what kind of pet, and what time their appointment was.

1. Paula doesn't own a dog and didn't make the 1pm appointment. Mr. Baker didn't make an afternoon appointment.
2. The tabby cat isn't named Buddy or Rascal. Brad's cat isn't a Siamese. Rascal isn't a dog.
3. Mrs. Grant, who made the 3pm appointment, didn't have a pet named Toby, whose appointment wasn't at 9am.
4. Hugh's last name isn't Kraff and he didn't make a 4pm appointment. The French Poodle isn't named Fluffy and wasn't due in for the 11am appointment.
5. The owner with the pet named Fluffy had an appointment two hours after the owner with the tabby cat and two hours before Sara and her pet.
6. The order of the appointments is the owner of the golden retriever dog, Ms. Sells and her cat, the owner whose last name is Putnam, the owner of the pet named Clown, and Ned.

| First Name | Last Name | Pet Name | Pet Type | Time |
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## Veterinary Blues

by Shelly Hazard


# $\underset{\text { PROBLEMS }}{\text { LOGIC }} 19$ 

Printable Collection of 12 Logic Problems

## Beach Bound

by Shelly Hazard
Last weekend, Jason and four of his friends had their first beach trip of the season. They left their home places at the same time planning to meet at noon, but because of different traffic everyone had a different amount of travel time. Everyone brought different supplies, though towels and swim trunks were on everybody's list. Determine each person's full name, how long it took each to arrive, and what supplies each brought.

1. Jason brought the cooler and had the longest drive, which was 30 minutes.
2. Steve Laird didn't bring live bait or sodas.
3. Aaron arrived before the man who brought the sandwiches and after the one who brought the ice.
4. Mr. Hart, who didn't bring the volleyball set, only needed to drive for five minutes, which was the shortest drive.
5. The order of arrival is: the one who brought live bait, Mr. Shore, Aaron, the one who brought the volleyball set, Mr. Thorn.
6. Greg, whose last name isn't Mann, didn't bring the Frisbee.
7. Rich, who didn't arrive in 10 minutes, didn't bring sodas.
8. The man who brought the snacks arrived 10 minutes after the one who brought the sun block but 10 minutes before the one who brought the fishing poles.

| First Name | Last Name | Time | Food Supplies | Equipment Supplies |
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Last Updated: February 21, 2007

## Beach Bound

by S helly Hazard

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| Aaron |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Greg |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jason |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rich |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Steve |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| fishing poles |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Frisbee |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| live bait |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sunblock |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| volleyball set |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| cooler |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ice |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sandwiches |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| snacks |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sodas |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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Printable Collection of 12 Logic Problems

## Character Favorites

by S helly Hazard
Alice and four of her friends were talking one night and discovered that each of them had a favorite fairy tale. As the conversation progressed, they also determined that everyone had a favorite comic strip and movie character. Surprisingly, everybody's was different. Determine each person's full name, favorite fairy tale, comic strip, and movie character.

1. Sally didn't like Robin Hood and Alice didn't like Garfield. Ms. Chambers liked Family Circus, but didn't like Zorro.
2. The girl who loved Zorro also liked Puss in Boots. Alice admitted that Pinnochio was her favorite and Betty stated that she wasn't fond of Cinderella.
3. The one who loved Puss in Boots wasn't Fran Armstrong or Jane. Jane's favorite wasn't Cinderella. The one who loved Calvin and Hobbes also liked Tarzan.
4. Each of the five girls are represented by the following: Alice Frost, Sleeping Beauty, Han Solo, the Peanuts, and Sally.
5. Jane didn't like the Prince and the Pauper or Han Solo. Ms. Flowers loved Captain Blood but neither she nor Fran liked Calvin and Hobbes.
6. Ms. Smothers loved Garfield. The one who loved Robin Hood didn't like Cinderella but the one who liked Cinderella liked Dilbert.

| First Name | Last Name | Fairy Tale | Comic Strip | Fictional Hero |
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## Character Favorites

by Shelly Hazard

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| Alice |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Betty |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fran |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jane |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sally |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Captain Blood |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Han Solo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Robin Hood |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tarzan |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Zorro |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Calvin and Hobbes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dilbert |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Family Circus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Garfield |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peanuts |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cinderella |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pinnochio |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Prince \& the Pauper |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Puss in Boots |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sleeping Beauty |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# $\underset{\substack{\text { LOGIC } \\ \text { froseless }}}{ }$ 

## Company Picnic

by S helly Hazard
This year, all the employees at Gizmo, Inc participated in the annual company picnic games. The employees were randomly placed on five different teams and competed in five different events. The teams all had a chosen team captain, who selected the team name and color. As it happened, each team won a different event and placed in various others. The overall winning team was the one with the most points scored in the individual events. From the clues, determine the name of each team captain, the team names, the team colors, each team's final place, and the event each team won.

1. The Bears didn't win the volleyball match. The Tigers won the water relay but their team color wasn't blue.
2. The Lions beat the white team but were beaten by both Larry's team and the team that won the sack race.
3. Ann's team wasn't the Panthers. Sharon's team wasn't the team that won the balloon toss and the Bears wasn't her team name.
4. The teams placed, from first to fifth, as follows: the black team, the Wolves, Greg's team, the red team, and the team that won the 100-yard hit.
5. Tom picked green for his team's color. Larry's team didn't win the balloon toss.
6. The team that won the sack race was in 2nd place and beat, in no particular order, Ann's team, the team that won the volleyball match, and the white team.

| Team Captain | Team Name | Team Color | Final place | Event won |
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## Company Picnic <br> by S helly Hazard

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| Ann |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Greg |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Larry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sharon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100 yard hit |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| balloon toss |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sack race |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| volleyball |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| water relay |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1st |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 3rd |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 5th |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| black |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| blue |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| green |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| red |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| white |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# $\underset{\substack{\text { LOGIC } \\ \text { froseless }}}{ }$ 

## Daily Work <br> by S helly Hazard

Five men work in a manufacturing department at Gizmo, Inc. Each commutes to work using a different mode of travel and most work on different shifts (there are three shifts). Each person performs a different job. From the clues, determine each person's full name, how each gets to work, what shift they work, and what their job is.

1. Chris, whose last name isn't Ermine, didn't walk to work. Sam is not a group leader.
2. The man who works on third shift, whose name isn't Rich, doesn't use the bus. Tom, whose last name isn't Harris, bikes to work but he's not a technician.
3. Mr. Falcon, whose first name isn't Sam, comes to work after the assembler but before Peter.
4. Mr. Drake and the person who walks both work on first shift.
5. The group leader comes to work before the man who uses the train. Rich comes to work after Mr. Garret but before the man who uses a car.
6. Sam and the man who uses the bus work on the first shift; Mr. Harris and the tester work on the second shift; the stock clerk works on the third shift.

| First Name | Last Name | Mode of Travel | Shift | Job |  |
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Daily Work<br>by Shelly Hazard

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| Chris |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peter |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rich |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sam |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| assembler |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| group leader |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| stock clerk |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| technician |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| tester |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1st |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1st |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2nd |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2nd |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3rd |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| bikes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| bus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| car |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| train |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| walks |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# $\underset{\substack{\text { LOGIC } \\ \text { froseless }}}{ }$ 

Printable Collection of 12 Logic Problems

## New Babies

by S helly Hazard
The maternity ward at the hospital was a busy place last Saturday. In the course of the day, five babies were delivered to five happy couples. Determine the full name of the parents, the baby's name, and what time each baby was born.

1. Bill, whose last name wasn't Silver, wasn't married to Sara and didn't have a baby girl.
2. Mrs. Windal, who didn't give birth to Alice, delivered her baby first.
3. John Vector wasn’t married to Rebecca, who didn’t give birth to Michael. Sally's husband wasn't Wayne. Tom didn't marry Patricia.
4. The Ryans and the couple whose baby was delivered last both had baby boys.
5. Rebecca delivered her baby girl before Sally's son and Megan's son were born but after Tom's wife delivered Alice and Lucy was born.
6. The five babies were delivered in the following chronological order: Gary, Mr. and Mrs. Pepper, Holly, Sally, William.

| First Name | First Name | Last Name | Baby's Name | Time Born |
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## New Babies

by Shelly Hazard

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| Bill |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gary |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| John |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wayne |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3：00 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10：00 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11：00 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1：00 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5：00 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alice |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Holly |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lucy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Michael |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| William |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pepper |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ryan |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Silver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vector |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Windal |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# $\underset{\substack{\text { LOGIC } \\ \text { froseless }}}{\text { 12 }}$ 

 HiranPrintable Collection of 12 Logic Problems

## School Bus Stop

by Shelly Hazard
Sally and the other four kids on Forest Street all ride the same bus to school. When the bus picks them up, it picks up the kids on the right side of the street, turns around at the end, and then picks up all the kids on the left side of the street. On Monday, each of the kids got on the bus with an extra item besides their bag of schoolbooks. Determine the full name of each kid, the order in which they were picked up, the house number where each kid lived, and the extra item each carried that day.

NOTE: Like most street addresses in the USA, Forest Street has even numbers on one side of the street and odd numbers on the other side.

1. Tom, whose last name wasn't Stone, was picked up before the boy with the trumpet, but after the girl who lives at \#6 Forest Street.
2. Sue, who doesn't live at \#17, was picked up last. The kid whose last name is Marble didn't carry a hockey stick but was picked up before the bus turned around.
3. Wendy was picked up before the kid with the gym bag but after the boy with the lunch box, whose last name is Granite.
4. The kid at \#17 was picked up before the kid whose last name is Rock but after both the kid who lived at \#24 and the kid who carried a flute.
5. The bus picked up all the kids in the following order: the girl whose last name is Boulder, Tom, \#32, Wendy, and the kid with the gym bag.
6. Rick didn't live at \#9 Forest Street. Sally's last name isn't Granite.

| First name | Last name | Order of <br> pick-up | House number <br> on Forest St. | Extra item <br> carried |
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Printable Collection of 12 Logic Problems

## School Bus Stop

by Shelly Hazard

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| Rick |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sally |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sue |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wendy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| hockey stick |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| flute |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| gym bag |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| lunch box |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| trumpet |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \＃6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \＃9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \＃17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \＃24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \＃32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 3rd |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4th |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5th |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# $\underset{\substack{\text { LOGIC } \\ \text { froseless }}}{ }$ 

Printable Collection of 12 Logic Problems

## Photo Field Trip

by Shelly Hazard
The photography club went on a photo outing last week to take advantage of the fall foliage. The weather was perfect and the countryside was beautiful. On this trip, they were experimenting with both digital and 35 mm cameras. Part of the field trip was to practice nature and still life techniques. Each photographer picked an animal and a still life subject to photograph. Determine the full name of each photographer, the type of camera they used, and what two subjects each used to take their pictures.

1. Tom, whose last name wasn't Sparks, didn't take pictures of man-made structures or rabbits. Will's last name isn't Lark. The chipmunk was photographed by the man who took pictures of the lighthouse.
2. Bill took pictures of a winged animal. Larry didn't take pictures of a rabbit.
3. The three photographers using digital cameras were the one who took pictures of the church, John, and Mr. Garret. But John, who didn't take pictures of a squirrel, really liked the pictures Mr. Sparks took of the covered bridge.
4. Mr. Adams, who wasn't Bill, used a maple tree for one of his subjects but didn't take pictures of a cardinal.
5. The one who took a picture of the duck and Larry both used 35 mm cameras.
6. Mr. Smith, whose first name wasn't Tom, didn't take pictures of winged animals but he did take pictures of a stream.

| First Name | Last Name | Camera Type | Still Life | Animal |
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## Photo Field Trip

by S helly Hazard

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| Bill |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| John |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Larry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Will |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| cardinal |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| chipmunk |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| duck |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rabbit |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| squirrel |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| church |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| covered bridge |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| lighthouse |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| maple tree |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| stream |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 mm |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 mm |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| digital |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| digital |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| digital |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# $\underset{\text { PROBLEMS }}{\text { LOGIC }}$ 

## Mid-Term Exams

by S helly Hazard

The first half of the school year is over! Well, almost...as soon as the mid-term exams are over. Jay and four of his friends couldn't wait 'til exams were over. The exam period started on Monday and ended on Friday, with scheduled exams in the morning and in the afternoon. They were a bit worried about some of the exams, and expected to breeze through others. Determine the full name of Jay and his friends, each student's worst and best subject, and when each had his last exam, so vacation could really start!

1. Jay, whose worst subject wasn't Journalism, had his last exam on Friday afternoon. Mike, whose last name isn't Snow, wasn't best at French.
2. The boy, who wasn't good at Latin, had his best result in Chemistry. The boy whose last name was Black finished his last exam on Thursday afternoon. Sam's worst subject wasn't Spanish.
3. Gary, whose last name wasn't Star, finished after the boy who was best at Algebra but before the boys who weren't good at Journalism and Geometry.
4. Carl's last name isn't Wood. The boy whose last name is Frost wasn't best in Chemistry.
5. The boys finished their exams in the following order: the boy who doesn't do well in Economics, Carl, the boy whose best subject is Physics, the boy whose last name is Star, and the boy who was best in History.
6. The boy whose last name is Wood finished his exams first, on Wednesday afternoon. Carl's worst subject was Latin.

| First Name | Last Name | Worst Subject | Best Subject | Last Exam Time |  |
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Last Updated: February 21, 2007

## Mid-Term Exams

by S helly Hazard

|  | $\begin{aligned} & \frac{\check{c}}{0} \\ & \frac{\pi}{0} \end{aligned}$ | $\begin{array}{\|l} \text { 苞 } \\ \text { 눙 } \end{array}$ | $\begin{array}{\|c} 3 \\ 0 \\ 0 \\ 0 \end{array}$ | 产 | $\begin{aligned} & 8 \\ & 0 \\ & 3 \\ & \hline \end{aligned}$ |  |  |  |  | $\stackrel{\substack{c \\ \\ \hline}}{ }$ |  | $\left\lvert\, \begin{aligned} & \frac{\pi}{2} \\ & \frac{0}{2} \\ & \frac{8}{4} \end{aligned}\right.$ |  |  | $\begin{aligned} & \stackrel{C}{0} \\ & \text { O } \\ & \text { Dil } \end{aligned}$ | $\begin{aligned} & \text { Z } \\ & \stackrel{0}{0.0} \\ & \stackrel{\rightharpoonup}{I} \end{aligned}$ | $\begin{aligned} & \frac{n}{0} \\ & \frac{0}{n} \\ & \stackrel{\rightharpoonup}{\alpha} \end{aligned}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Carl |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gary |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jay |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mike |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sam |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wednesday afternoon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Thursday morning |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Thursday afternoon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Friday morning |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Friday afternoon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Algebra |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chemistry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| French |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| History |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Physics |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Economics |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Geometry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Journalism |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Latin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spanish |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# $\underset{\substack{\text { LOGIC-1 } \\ \text { Reosems }}}{ }$ 

## Ages And New Years

by Shelly Hazard
Five women from around the United States met each New Year's Eve in New York City to join in the festivities, to watch the ball drop in Times Square, and to welcome the New Year with laughter and friendship. This year, a random comment from someone nearby got them to talking about ages and how old each would be both on the New Year and as the year progressed. Determine from the clues the full name of each woman, what city each lived in, how old each would be on the first of the New Year, and how long until each has her next birthday (from two months to eight months).

1. Marsha, who isn't from Chicago, has her next birthday after Kate's but before Ms. Waters.
2. On the first day of the new year, the woman from Houston, who isn't Cindy, will be three years older than Ms. Space but two years younger than Ms. Frost.
3. Ms. Forrest is older than the woman from Chicago but her next birthday is after Abigail's. Sara, whose last name isn't Frost, is the eldest at 35 years old and she has the last birthday to celebrate, 8 months after New Year's day.
4. Ms. Waters, whose first name isn't Abigail, is older than the woman who lives in New York City. The youngest woman, who is 29 years old, will celebrate her next birthday first, in just two months.
5. The woman who lives in Tampa has her next birthday before the woman from Los Angeles but one month after Ms. Fields.
6. The five women are represented, in the order they celebrate their next birthday, as follows: the woman who will be 29 years old, the woman from Houston, Kate, Ms. Frost, and the woman from Los Angeles.

| First Name | Last Name | City | Age | Time 'til Birthday |
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## Ages And New Years <br> by Shelly Hazard

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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Abigail |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cindy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Kate |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Marsha |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sara |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 months |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 months |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 months |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 months |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 months |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chicago |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Houston |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Los Angeles |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| New York City |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tampa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

