

3<sup>rd</sup> – 9<sup>th</sup> grades

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## **Link to Logic**

By Betty Brammer

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Learning how to thinkend reason logically helps in problem solving skills that last a lifetime. These matrix sazzles offer practice to accomplish that goal.

Kids can manipulate the matrix or use pencil and paper. Students can follow a

Kids can manipulate the matrix or use pencil and paper. Students can follow a step-by-step process or use combined strategies with a partner.

They I learn that there is no one path for solving the puzzles, that they can be approached from different angles – yet they will still arrive at the right answers.





## DEDICATION

This puzzle book is dedicated to Greg Voelz who (and I tease) raised me to a level for which I was not qualified, but worked to become. For it was those challenging gifted students for whom these puzzles were written; to my family of positive thinkers who believe in me: Scott, Adam, Helen, Marty, Andrea and Julie; To Marion, my mom, a writer in her own right!; to Ray, my dad who gave me my sense of humor; to the Up With People people who fed my curiosity in the psychedelic '60's and to all puzzle lovers everywhere!

## Acknowledgem

Terri Peterson for editing and friendship JoJo, Lakiesha, Huland My gifted classes and fourth and Learning. JoJo, Lakies de students

## THINK ABOUT THIS:

Were your answers to teacher's questions RARELY the same as anyone else's? Did you stay silent and keep your "wrong" answers to yourself?

Did you ever feel this way? I did.

Teaching gifted education changed my belief system about how people learn. I discovered people's learning styles cause them to see problems from different perspectives. It doesn't mean they're wrong, their answer is just different. Usually, their answer is creative, not wrong. Practice your logical thinking in Links to Logic and find out just how smart you are. This includes adults. Don't you feel better, now?

## LINKS TO LOGIC

## **OBJECTIVE**

Each puzzle in LINKS TO LOGIC offers exercises in deductive reasoning to move from a premise to a logical conclusion.

## PURPOSE & RELEVANCY

Problem solving skills are essential as a life skill. Deductive reasoning is the most familiar form and is, therefore, the place to begin.

#### THE PUZZLE

There are three parts to each puzzler

- 1. SCENARIO—to identify the elements of the puzzle.
- 2. CLUES—to offer a copportunity to combine, relate, sequence, and eliminate bits of information.
- 3. GRID—to deduce a solution by organizing the information given by the clues. The organizer not eliminated in a crossing column and row is the correct answer.

The scenario and clues give suggestions to make links and connections in logic to form the final solution on the grid. Remember, the process onvolved in reasoning is the important focus, and the actual solution—a bonus!

## DEDUCTIVE REASONING QUESTIONS

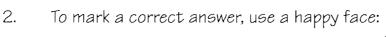
As you solve these puzzles, ask yourself these questions, especially whenever you need help:

- Are there any other possibilities here? 1.
- Is there another way of doing this? 2.
- Why did I reject that idea? 3.
- That doesn't seem related. Is it related in 4. Could I look at this in a different way 25 er ve some way?
- 5.
- making his What assumptions are 6.
- Mie connection? What clue "links 7.

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## HINTS IN MARKING THE GRID:

- A. Be consistent.
- B. To help keep track of the sequence in which you solve your problem, use these helps:
  - 1. To eliminate a choice, put an X in the box: Before you eliminate a choice, be sure.





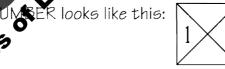
Then say, "When you make a happy face, you X-out some others," because there is only one answer (one happy face) per horizontal row and vertical column.

3. If a clue says, "A girl ran in the first race," place an MY for "Maybe yes": MY

in the boxes in the rows with girls' names and under the Race One column.

4. While solving the puzzles, wep the responses in order beginning with # in the first box that's X'ed out and a #2 in the second and so of until all the clues have been used.

The ORDER MIMBER looks like this:



- 5. While saying the puzzles, keep the clues in order.

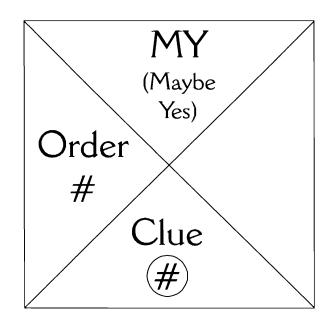
  One (a) e might suggest you X-out one or more boxes.

  When that happens, keep order by writing the CLUE

  NUMBER like this:
  - 6. Note: Sometimes the SCENARIOS even give clues in solving the puzzles.

A box may look like this:

Or, this:





"WHEN YOU AKE A HAPPY FACE YOU X-OUT SOME OTHERS!"

Wark on this grice was fallowed.

ed as you	Parity Store	Toy Store	Pet Store	Bicycle Store
Andrea Scott				
Adam				
Julie				

#### PRACTICE:

Try solving this puzzle - -

## STORE OWNERS

## Scenario

Four store owners, Andrea, Scott, Adam, and Julie, own these stores: the Party Store, the Toy Store, the Pet Store, and the Bicycle Store. Study the clues and match each owner to his/her store.

## Clues

- A girl owned the Toy Store.
- n h**r s**tore to parties. Scott loved to take gag-gifts from 2.
- er Evening. Julie rode a new bicycle 3.

	~	OWNS ALL	
	0,	owns _	
<b>1</b>		owns _	
©¢	eces		

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There are many ways to work the puzzles . . . One way to work the puzzle is . . .

Clue 1: A girl owned the Toy Store.

- Mark two "MY's" under the Toy Store column in the rows with the airls' names.
- No need to ORDER b. NUMBER the Maybe Yes's.
- Cross out the boys' names C.since neither can own The Toy Store.

	Party Store	Toy Store	Pet Store	Bicycle Store
Andrea		MY		5
Scott				K
Adam				
Julie		MY		



Clue 2: Scott loved to take gag-gifts from his sto

We now know Scott's store is the a happy face under the Party Store columnand in Scott's row.

You might want to try this . . .

Write the ORDER b. CLUE NUMBE happy face

ain squares are X'd you might vant to . . . To help you understand the reason ce

ERNUMBER, and a CLUE NUMBER in all C.arty Store column as shown, and in

, is the Party Store owner, then Andrea, Adam, and Julie are ot the owners. Mark the squares with the ORDER

#'s 2**69**,4, and the CLUE # 2 .

— Kewise, if Scott is the Party Store wher, he is not the Toy, Pet, or Bicycle

Store owner. Mark the squares with the ORDER #'s 5, 6, 7, and the CLUE #2.

Bicycle Store Party Store Toy MY Andrea **②** ؈ٛ Scott Adam 3 (2)MY Julie

Store

Store

Your puzzle might look like this so far:

"WHEN YOU MAKE A HAPPY FACE YOU X-OUT SOME OTHER Remember:

SQUARES!"

Clue 3: Julie rode a new bicycle home every evening.

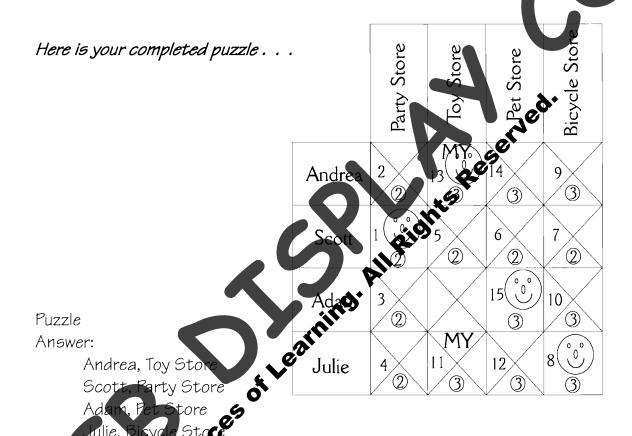
- Therefore, Julie is the Bicycle Store owner, so make a happy face under the bicycle store column and in Julie's row. Label it 8th for order and # 3 for the number of the clue that gave you the information.
- Mark an X in the empty boxes in the Bicycle Store column b. and label each #9 and # 10 for the order numbers because Julie is the Bicycle Store owner, neither Andrea nor Adam is.
- If Julie is the Bicycle Store owner, Julie is NOT the Toy or C.Pet Store owner. Therefore, mark an Xin Julie's row in the Toy and Pet columns. Number them #11 and #12,
- Mark the clue number that told you this, which d. boxes 8, 9, 10, 11, 12. NOTE: You X'ed out on the MY's All Rights (Maybe Yes), Clue # 3

Your puzzle mig. look like this so

Z	<b>3</b> 1	Party Si	Toy St	Pet Sto	Bicycle
	Andrea	2	MY		9
	Scott	1 (0)	5	6	7
	Adam	3			10
	Julie	4 2	MY 11 3	12	8 0 0

Store

- e. Mark a happy face in the MY box in the Toy Store column on Andrea's row. It's the 13th action you've made (order) and clue # 3 told you this information. "When you make a happy face, you X-OUT some others!" X-OUT #'s 14.
- f. Since there is only one opening left in Adam's row under the Pet Store column, and since there are no correct answers in this row, mark this last box with a happy face, ORDER # 15, and CLUE # 3.



The first few puzes may be slow going. Eventually, puzzle solvers may omit the ORDER NUMBERS and CLUE NUMBERS as they will understand the process of order without this tool.

Happy puzzle solving . . .

## THE FLOOR PUZZLE FORMAT

To apply the Seven Multiple Intelligences, use a floor grid for one of the puzzles.

To make a floor grid use a white sheet. Mark one-foot grid lines horizontally and vertically on the sheet with a permanent fabric marker. (Permanent magic marker works except it may pool and run!) The size of the sheet determines the number of one-foot squares you will able to make.

From posterboard, cut and laminate 12" diameter circles on which you can writ washable overhead pen, the scenario categories. (Remember, scenario com with each new puzzle.)

Cut and laminate 12" squares on which students will write large Xs happy faces, MYs for "maybe yes" and numbers for the order numbers and circled clue num

chance to feel Encourage all students to attempt the puzzle. In this way, all stude comfortable in his/her own learning style.

be plained and inter-For these puzzles, the seven Multiple Intelligences c preted for use in the Floor Puzzle form

- ies in trive and deductive reasoning 1. The logical/mathematical "questioner" help with the meaning of the clue. to help explain why a clue is included
- with the words" in the scenario or clues to 2. The linguistic learner can offer a different per
- I "visualizer Van co if this, toen that! 3. The visual/spatial "vis nconstruct the product in the mind's eye. He grasps an
- aginative and senses connections and changes.
- kines thetic "mover" interacts better with space and, therefore, the format is preferable.
- The interpersonal "socializer" loves leading others in groups, cooperating, organizing, and relating to others person to person.
- 7. The intrapersonal "individual" may stand beside the floor puzzle and work alone, self-paced, pursuing his/her own answers.

## THE SEVEN MULTIPLE INTELLIGENCES

- 1. LOGICAL-MATHEMATICAL INTELLIGENCE "the questioner"
  - \*inductive/deductive reasoning \*figures things out \*facts and figures
  - \*explains why \*classifying \*explores abstract patterns and relationships
  - \*objective information \*problem solving games
- 2. LINGUISTIC INTELLIGENCE "the word player"
  - \*gives detailed descriptions \*grasps metaphors \*reads, writ stories \*interacts with the written word
- 3. VISUAL/SPATIAL INTELLIGENCE "the visualizer"
  - \*draws, builds, designs \*creates \*daydreams \*pictur
  - \*can construct \*plays with machines
  - \*sees dimension \*grasps analogies \*sees arale
  - \* invents \*makes mechanical devices
- 4. MUSICAL INTELLIGENCE "the mu
  - \*plays an instrument \*picks up sounds.
  - \*produces music \*senses changes \*remembo
  - \*hears/reproduces environmenta
- 5. BODILY/KINESTHETIC

  - \*enjoys movement \*uses body law uage \*enjoys touch
    \*imitates impressions \*interacts with space \*can mime personalities
    \*wisdom of the law of th
  - \*wisdom of the
  - \*can create internal martal images
- 6. INT The socializer"
  - fx (ds \*organizes others \*leads others \*likes sharing
  - th@ople \*joins groups \*cooperates \*a person-to-person person
  - tes to others
- RAPERSONAL "the individual"
  - \*works alone \*follows instincts \*self paced \*self reflection
  - \*understands self \*metacognition (thinks about thinking)
  - \*pursues own interests and goals
  - \*needs own space \*focuses inward on feelings and dream

## HOLD A THINKING OLYMPIAD

A. Individually compete to solve a puzzle in a certain time limit, or the first to complete the puzzle correctly, wins.

- B. Set up problem solving teams by
  - 1. separating students according to learning styles:
    - a. a visual team
    - b. an auditory team
    - c. a verbal team
    - d. a manipulative team
  - 2. placing all leaders together. Since leaders always think they're right, it might be fun for everyone else to watch! Also, by removing this dominant force, new leaders are allowed to emerge in the other groups—those people usually overshadowed by the usual leader.
  - 3. mixing kids randomly. This allows one to see how to solve problems from different perspectives.

## Olympiad categories for competition ribbins

Let students come up with their own categories, or use these to offer competition ribbons.

\*FOREMOST LEADER \*GREAT SOĞGESTIONS \*CREATIVE SPARKS

\*MOST RIDICULOUS STATE OENT \*IDEA ZINGER

\*MOST OFF-THE-WALL CONNECTION \*BEST DIRECTOR \*MR./MISS FORGE

\*THANKS FOR SHARIOG AHEAD

\*BEST DED TION \*FAMOUS FOR OTHERS' FEELINGS

\*WHEN YOU SPEAK ITS GOLD \*GREAT IDEAS

\*MR./MISS CAVE FUN AT ALL COSTS \*MOST IDEAS

\*FABULOUS THINKER \*MOST THOUGHTFUL \*FASTEST THINKER \*The "REALLY?" award

The "DIDN'T KNOW THAT!" award \*The "I CAME UP WITH IHAT?" award

\*The "I DON'T GET IT!" award \*The "I'M BAD!" award

\*The "HEY! THAT'S IT!" award

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## USING A PLANNING BOARD

After working several of the puzzles, use a planning board to rank your favorites.

- 1. List your 6 favorite titles in the empty boxes of your planning board
- 2. Cut out and place all 6 titles on the planning board by ranking your ite Box #1 to least favorite Box #6.
- 3. Remove 2 titles you could live without and rerank your top 4 pr
- 4. Remove two more and rank the top two.
- 5. Remove one more & you have narrowed your choices to one your favorite!

Why use the Planning Board? Use the Planning Board to narrow choices in making decisions. Be able to defend your decision. Students can use the Planning Board as they choose research topics, make p and solve problems.

## Exercise 1

rs use the planning oard and rank order the least important seconding to society's needs: In the puzzle called Lady Inventors us most important invention to the

- a. scientifically written re
- c. coffee filters
- e. disposable diapers

- the baby jumper
- d. chocolate chip cookies
- f. Liquid Paper

## Exercise 2

Pap Mank order to find your favorite 50's saying or car: In the puzzle called At

a. '56 Ford

b. GTO

Car

c. XKE

d. '52 Chevy

e. Jaguar

f. 409

## THE BOARD

Write and cut out topics; rank order on choice side.

1st choice	2nd choice	
3rd choice	4th choice	
5th choice	6th choice	

## THE PUZZLES

## GAME TITLES

Page			
19	Darts	44	Mix-up at the Lodge
20	Future Homes	45	Military Mansion Mayhem
21	Futuristic Tele-Inventions	46	Building a House
22	Future Toys	47	Expression Impressions
23	Favorite Colors	48	Dog Show Today
24	Spring Soccer	49	Workaholics
25	Rollerblade Race	50	Teen-Age
26	"Get Your Ducks in a Row"	51	Lady Inventors  The Payob Colin '60's Slang
27	Quilter's Choice	53	The I sychestelle ou s starig
28	Plain Palace Players	55	It a Doe's Life
29	Double Trouble		19
30	The Pickle and Onion Twins		idh
31	States' Plates		
32	Marsh Critters	The	Games of Frogmore County
33	Boxwood Race School Spirit Days What's Your Hobby? Two in Each Country	<u> </u>	
	School Spirit Days	64	Frogmore County Contest
35	What's Your Hobby?	68	Uncle Sam Statues
36	Two in Each Country	72	Beach Feast
37	Bow wow Lane	76	Franchise
38	Pair the Pals	80	Forum
39	Green Lhumb Shops	84	The Picnic Basket
40	Apartment Cople and Pets	88	At the Hop
41	The Job World		
42	"Sit Right Down Miss Liza Jane a	nd Ho	old on to the Shade"
43	"A Stitch in Time Saves Nine"		



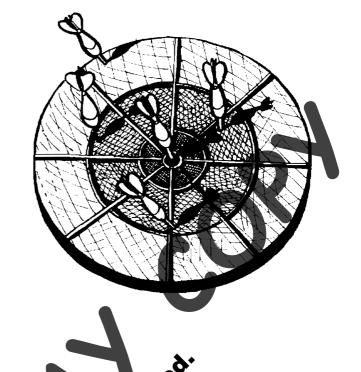
## **DARTS**

## Scenario

Pam, Sam, and Cam played darts every Saturday. Match each score to the player.

## $C_{\text{LUES}}$

- 1. Pam told the winner his score was impressive.
- 2. Sam congratulated Cam on her trick shot earning her a second place.



		Reso	
	Pam Pam Cam Cam	<b>E</b> nd	3rd
	All P		
	Pam ind.		
	eart		
· Oh	Sam		
©Pie	ÇE		
(a)	Cam		
12			

## FUTURE HOMES

#### Scenario

Fron, Sil, and Gire, want to paint their futuristic homes garnet, sunshine, and fuchsia. Using the clues below, find out who painted his/her home which color.

#### **C**LUES

1. No one's favorite color begins with the same letters as his/her name.

2. Sil loves red.

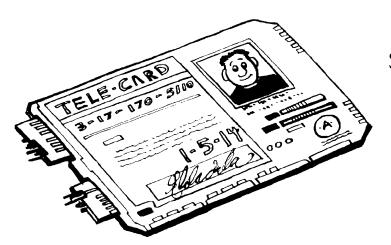
Fron

Sill Rights

Sill Rights

Gire

## FUTURISTIC TELE - INVENTIONS



## Scenario

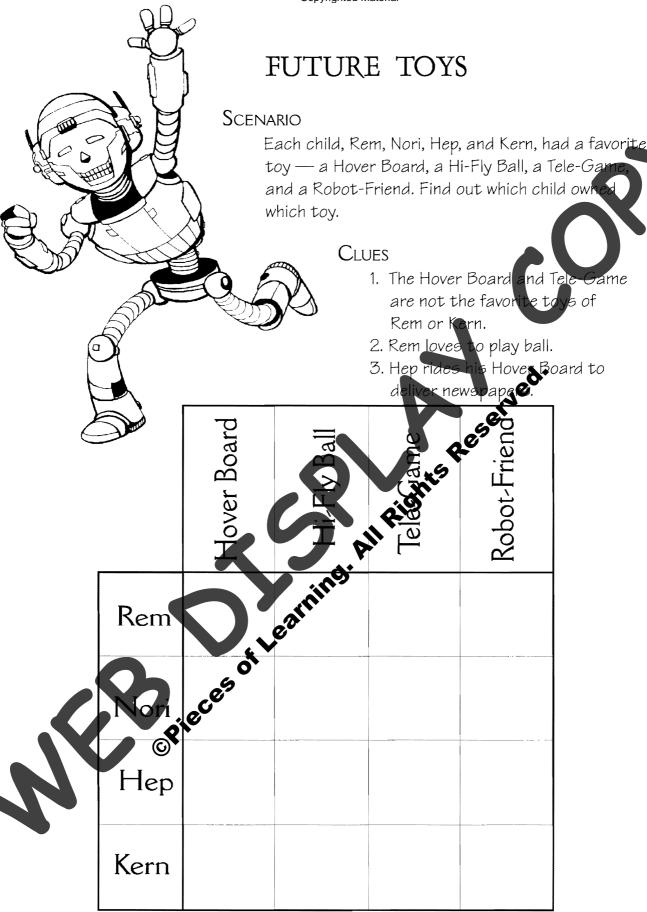
Each person, Remo and Lorn, owns one Invention -Card, Tele-Pho T.V. Find out which invention

## CLUES

- The person with the shortest name loves futuristic to commercials.
   Remo lost his Tele-Card.

	Remo	Tele-phise	Tele- card	Tele-T.V.
0	Remo			
	Zan			
	Lorn			

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## **FAVORITE COLORS**

#### Scenario

Red, blue, purple, and orange are the favorite colors of Rory, Bruce, Patricia, and Meg. Read the clues to match each person with his/her favorite color.

#### CLUES

- 1. Red and orange are not the favorite colors of Patrici and Meg.
- 2. The people with the shortest names like the colors with the longest names.

3. No one's favorite color starts with the same letter as his/her own name.

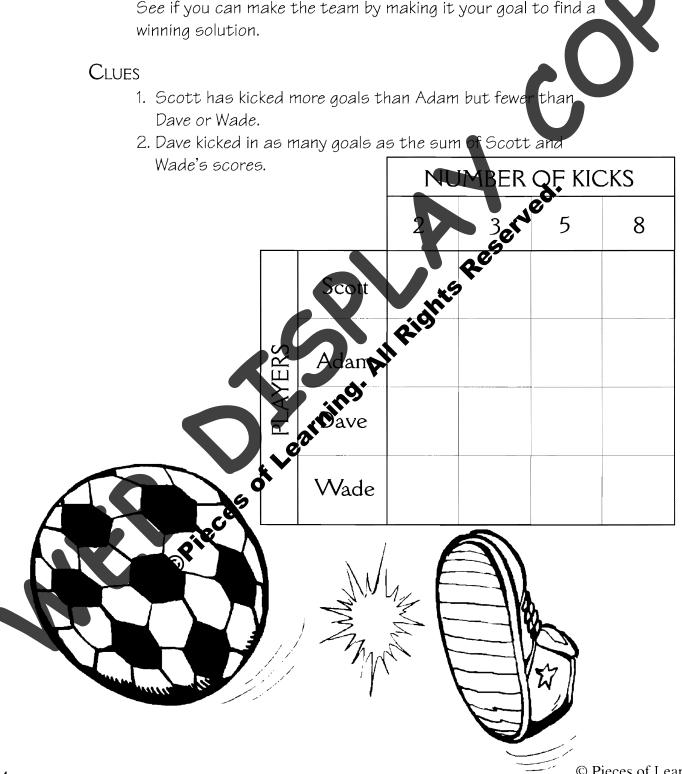
	Rory Bruge Patricia	Pos	alding Range	Blue	Orange
	Rory	arning.			
6	Bruge	·ec			
9	Patricia				
	Meg				

## SPRING SOCCER

#### Scenario

Scott, Adam, Dave, and Wade play competitive soccer. During the spring season, each child made a different number of goals. See if you can make the team by making it your goal to find a winning solution.

#### **C**LUES



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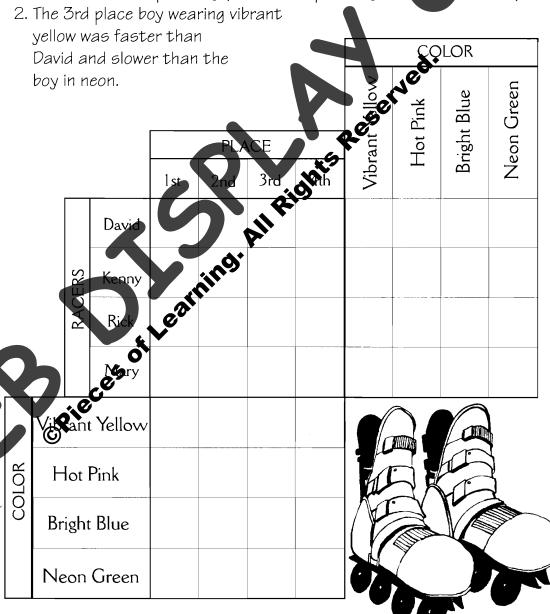
## ROLLERBLADE RACE

#### Scenario

The rollerblade finals were Saturday. David, Kenny, Rick, and Mary were the top four contenders. Each wore a different color of skates. Solve the puzzle to find out who rolled into 1st, 2nd, 3rd, and 4th place.

#### **C**LUES

1. Mary, Rick, and the boy with the blue skates came in 2nd 3rd, and 4th respectively. (Note: "Respectively" means 'in order.")



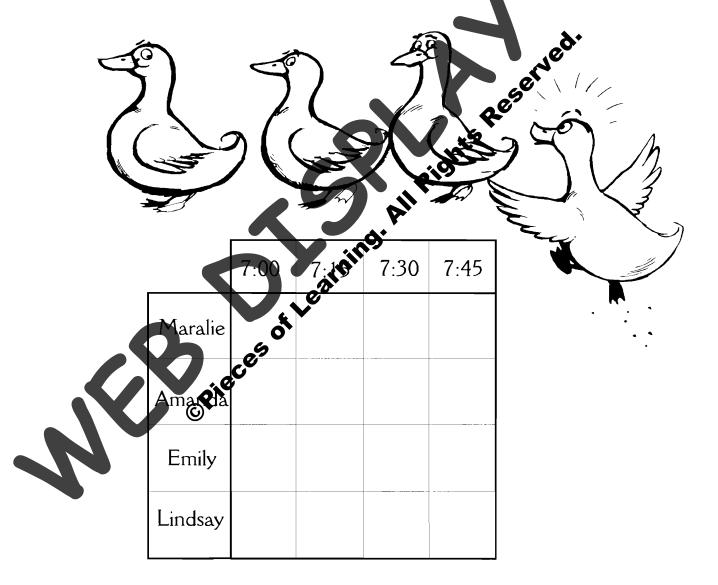
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## "GET YOUR DUCKS IN A ROW"

#### SCENARIO

There were four friends who were inseparable — Maralie, Amanda, Lindsay and Emily who was always last to arrive. It was important to be on time and only one in four was always prompt. Which girl managed to get her "ducks in a row" and be on time?

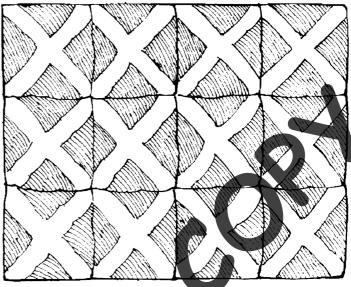
- 1. Lindsay believed in being fashionably late.
- 2. Amanda was 15 minutes later than Linds



## QUILTER'S CHOICE

#### **S**CENARIO

Allie May, Margaret Ann, and Helen Pearl each planned to enter their quilts in the county fair. These three friends were the blue, red, and white place winners. Their quilts, the Lazy Daisy, Star of



Blue Grass, and Snail's Trail were the hit of the fair! Match each lady to her quilt and where she placed in the contest.

#### **CLUES**

1. Margaret Ann whispered to Allie May, I think you Snail's Trail should have won, and with results O, I, personally, was just happy to participate!

2. The Star of Bluegrass quilt won 3rd.

Allie Nay

Margaret Ann

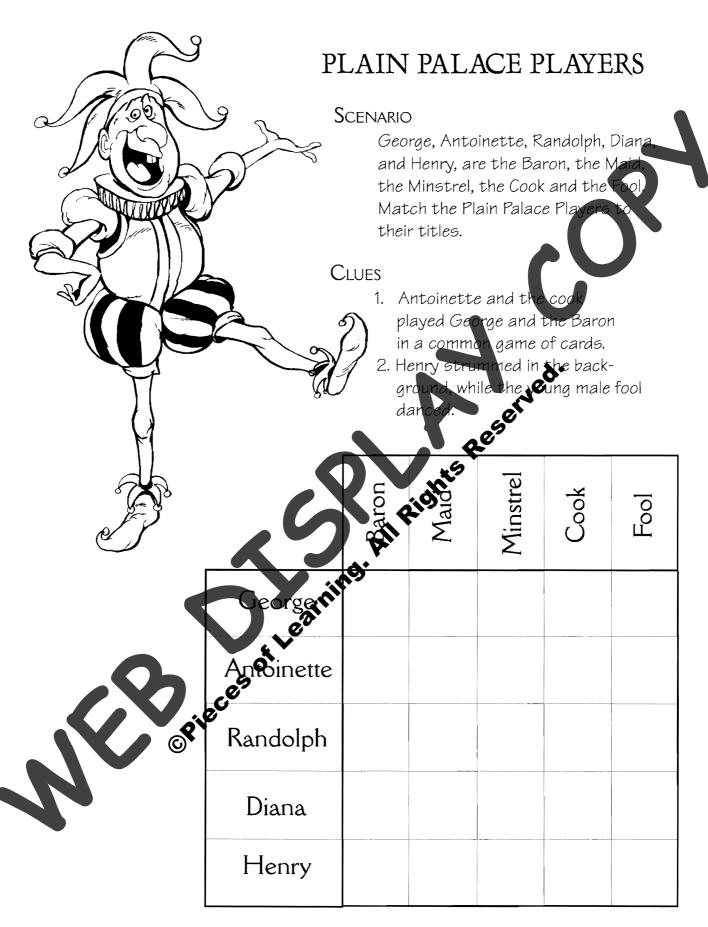
Helen Pearl

Lazy Daisy

Star of Bluegrass

Snail's Trail

From "Links to Logic"



# DOUBLE TROUBLE





#### Scenario

It's hard to believe, but two sets of twins with the last names Kir and Finn were born within minutes of each other in a New York emergency room. The babies' birth certificates were written incorrectly. The medical staff only had two clues to help set straight the confusion.

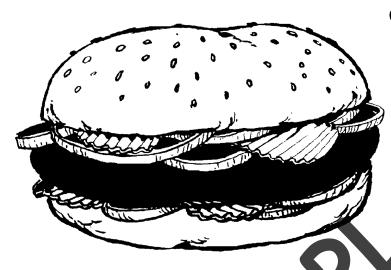
- 1. Brittany was born after the Finns and before Bon Ge.
- 2. Brett was the oldest.

	KIRK		KIRK FINN ABÎRTI					HTIME		
	Born 1st	Born 2nd	eg ni	Born Zhd	3:21	3:23	3:20	3:16		
Bonnie	7	cesot								
ВШ	©									
Brittany										
Brett										

## THE PICKLE AND ONION TWINS

#### Scenario

Back in the 1930's, there lived two friends who loved pickles and onions on their hamburgers. They enjoyed them so much that all their buddies called them the "pickle and onion twins."



- 1. Amy truly believed ketchup belonged on everything, while Helen loved spicy sauces.
- 2. Charlotte said Ray was the pickle twin and his wife, Marion, diget like onions.
- Merrill wid Charlotte was part rabbit when it came to veggies.

	Pickles	JINO A	Lettuce	Tomatoes	Ketchup	Mustard
Ray	of Leas					
Merrilles	o,					
Merrill es						
Marion						
Charlotte						
Helen						

## STATES' PLATES

#### Scenario

John, Kristen, Neil, and Karen lived in Oregon, Iowa, California, and Tennessee. The nicknames for these states are The Volunteer State. The Hawkeye State, The Golden State, and The Pacific Wonderland State. Match each person's home state to its nickname, and to his/her own personalized license pla

- 1. Neil hailed from a woody state off the northern Pacific
- 2. Karen, an out-of-doors girl, loved the
- 3. No boy is from California or Tenness gardens.
- eer?" questioned John. "I will, ya'll!" 4. "Who among you will vol replied a girl.

		F	PERSONALIZED LICENCE PLAYE NAME						STATE				
	/2	"Farmer"	20	O CO	"Timber	The Volunteer State	The Pacific Wonderland	The Golden State	The Hawkeye State	Oregon	Iowa	California	Tennessee
	John	©R'											
HILL	Kristen												
PEOPL	Neil												
	Karen												

## MARSH CRITTERS

#### SCENARIO

The South Sea island coastline is abundant with many forms of life in general and crabs in particular. Tyler, Courtney, Miles, and DeAnne each owned a different type of crab—fiddler, horseshoe, blue, and mud. Each person and his/her crab lived on a specific island—Tybee, James, Hunting, or Hilton Head.

- 1. Tyler's crab from Tybee, was heavier than the blue or fiddler crab but not as heavy as Courtney.
- 2. The tiny fiddler from Hilton Head Island was not DeAnne's which was from Hunting Island.
- 3. The mud crab was 8 ounces.

			CR	AB			WEI	GH	T	6	ISLA	AND	
		Fiddler	Horseshoe	Blue	Mud	2 ounces	saauno 9 R	Sayles Whites	14 ounce 1	Tybee	James	Hunting	Hilton Head
~	Tyler			2		•	Y.						
OWNER	Courtney				arri	UQ.							
	Miles				Sail								
	DeAnne		V	, V									
SHT.	2 ounces	oie	ces						9	(3)			
WEIGH	8 ounces							6		>> F			
3	14 ounces							7	,				
	Tybee								\ \( \langle \)	/ //		); '	不
ISLAND	James					کور	سرر سک		2	مربه			
ISL	Hunting						7			~			
	Hilton Head						T		•				



from wood for the county race. Each car had a different patter dots, waves, zigzags, stripes, and solid. Discover which each car and its place in the race.

- 1. Patrick and Don talked with the owner of t car at the tryouts yesterday.
- 2. It was a close race, and Ruth and . solid car won at first.
- 3. Jeannie loves the ocean and design the same action as the
- 5. Jeannie placed two places behind the and was sorry for the girl who was
- 6. Ruth wrote her name li

					• •					
	Dots			Stripe	Solid	İst	2nd	3rd	4th	5th
Jeannie	Q	e ieces	O'						,	
Patrick Ryan	<b>©</b>									
Ruth			79 TOO AN	A 3 Mar A						
Don										



# **SCHOOL SPIRIT**

#### Scenario

Find Jeff, Wes, John, Melinda, and Jill's favorite school spirt daynerd, hat, team, backward, and pajama. Decide which day was most popular by participation.

CLU	JES	elinda's le least eff's favo es' Nerd					7	·ed·		
	1. M	elinda's	favorit <i>e</i>	e day wa	15 P.J. D	ay while	hor gir	riend p	preferred	d
	2. Je	eff's favo	popular prite, Te	aay. am Day,	showed	d partici	ipation	scores	betweer	1
	W	es' Nerd	day an	d John's	5 Backw	ard DN	the m	ost favo	orite.	
						Ris				
			1		Q. D.			_	ard	ಡ
	280	20	35	Sil	50	Nerd	Hat	Team	Backward	Pajama
			J.	69,		_	<del> </del>		Вас	$\mathbb{Q}_{a}$
Jeff	0	© Piec	60							
		.00	2					·		
Wes		© <b>8</b> 10								
John										
Melinda										
Jill										
0 111										

## WHAT'S YOUR HOBBY?

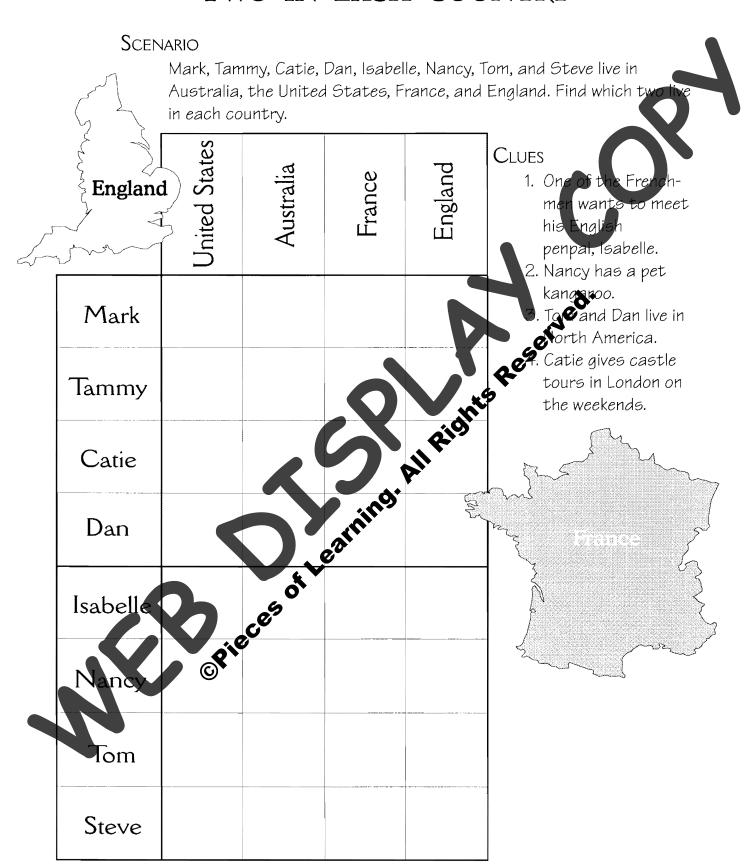
#### Scenario

Five ladies — Anne, Cheryl, Nancy, Jane, and Ginny each had a different hobby — bridge player, quilter, jeweler, florist, and novelist. Match each person to her hobby.

- 1. Jane doesn't care for bridge.
- 2. The bridge player and Anne often played tennis.
- 3. Jane and Nancy purchased wall hangings that were sewn by the quilter.
- 4. Nancy and the novelist often have lunch wit the professional bridge player.
- 5. The bridge enthusiast, the quilter, and Cheryl have some of the necklaces made by the jewels
- 6. Jane asked Cheryl if she thought the floriste would organize the flowers for her daughters wedding.

	Bridge Plaver	A Selection	Quilter 19	Florist	Novelist
Anne Ch <b>ei</b> yl	o				
Ginny					
Nancy					
Jane	The state of the s				

## TWO IN EACH COUNTRY



# BOW - WOW LANE

#### Scenario

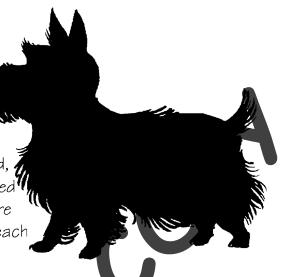
Seven dogs — a Dalmatian, a

Cairn Terrier, a Scottish Terrier, a

Golden Retriever, a Poodle, a Dachshund, and a Malamute all live on a street called

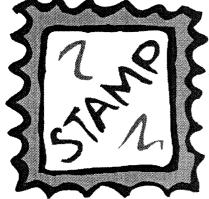
Bow-Wow Lane. Their house numbers are

— 1A, 2B, 3C, 4D, 5E, and 6F. Match each dog to his doghouse.



- 1. The Terriers live in one doghouse.
- 2. There is only one animal living in 6F.
- 3. The Dalmatian doesn't live in house number 30.
- 4. The Retriever lives between the Terriers' and Possile's doghouses.
- 5. The Poodle and Dalmatian's houses are located in the center of the street.
- 6. The third house to the right of the Otriever's belongs to the Dachshund

Dalmatian  Cairn Terrier  Scottish Terrier  © Retriever	4		3.65	4D	5E	6F
Dalmatian		earni				
Cairn Terrier	504					
Scottish Terries C						
Retriever						
Poodle						
Dachshund						
Malamute						



# PAIR THE PALS

# SCENARIO

Katrina, Earl, Julie, Hans, Betty, and Kelly each have a penpal — Scott, Alex, Ikuko, Andrea, Terri, and Marty Each person lives in a different town located in a Pacifi Rim Country or Scandinavia or Europe or the United States of America. Match the penpals.

- 1. Neither Scott nor Katrina had a penpal from England.
- 2. The Japanese girl's penpal was Southern.
- 3. Terri's pal was a boy.
- 4. The Charlestonian loved touring Scandinavia with his penpal
- 5. The towns named for a rock and royalty are not pals, but the girl from Princeton liked her penpal's proper British terminology.

6. Marty wrote to Kelly.	Scott Charleston	Alex Liverpool	Thurso Tokyo	Boulder	Terri Salt Lake	Marty Denver
Katrina Berlin			ng. All			
Earl London	V	Learn				
Julie Princeton	cieces.	<b>.</b>				
Mans © Norway	<b>*</b>					
Betty Savannah						
Kelly Memphis						

# GREEN THUMB **SHOPS**

#### Scenario

The first through fourth plant companies to spring up over the years were respectively — Green Plants Co., Plush and Green Co., Plant and Vine Co., and Floral Flora Co.

Each company has a manager -

Mason, Johnson, Stevenson, and Carlson. their companies.

#### CLUES

- 1. Mason used to work at Plu ind Gr
- 2. Johnson doesn't know the manager of the Plant and Vi Company. the Plant and Vine
- ts impany and his wife show mpany and mover shows biannually. 3. The manager of Green Pl their prize rose

4. Stevenson, who are the last store in the floral b

Floral Plush & Plant Green Flora Green & Vine **Plants** Co. Co. Co. Co.

Mrs. Mason Miss Johnson Ms Stevenson Mr. Carlson



# APARTMENT PEOPLE AND PETS

Scenario

In each apartment there reside cats with the families named Jones, Herman, Smith, Martinez, and Van Loo. Mat the number of pets to number of family members to each apartment. It's common knowledge that the Smithg keep up with the Joneses.

- 1. Three cats live with the Smiths.
- 2. The Joneses have four in their family.
- 3. Mr. Herman lives with his cat, two doors up from the Van Loos and next doo Martinezes.
- 4. Chu Van Loo and his wife live with their two apartment 102.
- 5. The Joneses and Martinezes
- ame number of cats 6. Mr. and Mrs. Martinez have the as family members.

	APARTMENT NUMBER					arr	ME	AMIL' MBE	Y RS		NUMBER OF CATS				
	101	102	103	104	050	-	2	3	4	5	1	2	3	4	5
Jones		V	©Pi	Sce											
Herman Smith			<b>©</b>												
Martinez													:		
Van Loo															

# THE JOB WORLD

#### Scenario

Carol, Rich, Lori, Billie, B.J.,
Dot, and Paul each worked
as governor, antique store
owner, environmentalist,
author, engineer, doctor, or
Olympic trainer. Match each
person to his/her occupation.



- 1. B.J.'s uncle is not a conservationist.
- 2. Billie uses her mother's store as a headquarters for her election campaign.
- 3. Paul runs an Olympic training center
- 4. The young doctor's aunt who is forty-something, writes puzzle books for children and is proud of her niece, an intern.

	Carol, 50	Ach, 49	1.84.45 1.84.45	Billie, 26	B.J., 21	Dot, 28	Paul, 22
Governor  Store Owner  Environmentalist  Author		earnil					
Store Owner	501						
Environmentalist	و						
Author ©						an saman	
Engineer							
Doctor							
Olympic Trainer							

# "SIT RIGHT DOWN MISS LIZA JANE AND HOLD ON TO THE SHADE"

#### Scenario

One person was always kind and jumped up allowing others to relax! Who said, "Sit right down Miss Liza Jane, and hold on to the shade, and in which southern town did she live? You may need a map and encyclopedia. The southern city choices are — Savannah, Georgia; Starkville, Mississippi; New Orleans, Louisiana; Charleston, South Carolina; and Mobile, Alabama. Helen Len, Carrie Lee, Susan Page, Mary Agnes, and Mildred Dean each lived in one of these towns.

- 1. Mildred Dean lived in an antebellum home 100 miles fortheast of Georgia.
- 2. Mary Agnes, a true southern lady from Star sille, knew every southern saying.
- 3. Helen Len loved taking a short trip to 15th Susan Page and The French Quarter.
- 4. Carrie Lee lived in a coasta city with famous squares in the downtown

district.	Savarnah, Ostroja	Starkville, Mississippi	New Orleans, Louisiana	Charleston, South Carolina	Mobile, Alabama
Heten Less Care Lee					
Susan Page					
Mary Agnes					
Mildred Dean					

# "A STITCH IN TIME SAVES NINE"

#### Scenario

Gertie, Lorraine, Marnie, Laverne, Ina, and Lenora were in the same quilter's club. They had met each week for twenty years. With encouragement from their community, they agreed to open a craft store Everyone knew their handiwork was made extremely well and would last the test of time. The ladies' only secret was what they knew to be true: "A stitch in time saves nine." Find each ladies' favorite stitch.

CLUES

1. The oldest lady favored the basket stitch, and the youngest never chain stitched anything.

2. Gertie made blankets as gifts.

3. The lady about to retire from the telephone company would fly through her stitched as she knew, "a stitch in time saves nine!"

4. Marnie decided to stitch a picture for the lady whose 80th birthday will be Syrbay. Marnie chose the cross stitch because it this her friend's favorite.

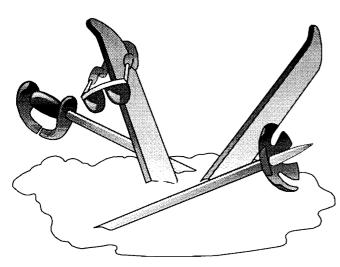
ring	Chair	stitch	Blanker	stitch	Cross	stitch	FJ	stitch	Basket	stitch	Satin	stitch
Ge <b>v</b> e, 72												
<b>2</b> orraine, 64				:								
Marnie, 50			No.									
Laverne, 79												
lna, 72												
Lenora, 80												and the second second

# MIX - UP AT THE LODGE

#### Scenario

nosu

ean



Three kids were named Sandy, Jim, and Greg. Their parents were Mr. Johnson, Dean, and Mr. Dones, whose occupation were realtor, jet pilot, and sports jour Each was registered to vacation at the ski lodge. Before their arrival, the lodge's f door blew open and scrambled their paper work. The desk clerk knew he had reserved the popular poolside rooms first. He then set to work to decipher which family members were together, the occupation of each parent, and into which room each had previously been assigned.

	Mr. Do	Mrs. D	Moh	
Sandy				
Jim			e2	5
Greg				
Realtor	© Pie	Cos		
Jet pilot	© T			
Sports				
Journalist				
Room 107				
Room 108				
Room 215				

## **CLUES**

1. Sandy's mom called the week after the jet pilot and three weeks after Mr. Johnson.

215

Room 2

Room 108

- 2. Jim's room was closest to the pool and adjoined Mr. Johnson's.
- 3. The sports journalist was the last to call for reservations.
- 4. The jet pilot was Jim's father.

# MILITARY MANSION MAYHEM

## Scenario

A Lt. General, a Major, a Captain, a Lieutenant, a Corporal, (the General's driver), and a young Private in training spent the evening at the General's large mansion serving dignitaries. Before the evening concluded, all six were dead. They were found in different places around the estat and were killed with different weapons — a knife candlestick, poison, hose, and spade. Join the police in solving this crime! Hint: note ranks

- 1. The enlisted serviceman, fresh out of found shot outside.
- 2. The corporal was found near a s
- found on a couch, as evidence of his hand as if he had just fallen ficer was abbed near the front 3. The old general was found on a blood, with a book in hi asleep.
- 4. The lowest ra door.
- food in a freshly dug hole on a 5. Captain Murphy w dirt floo
- 6. The major

		<b>.</b> O	Attic	Foyer	Garden	Gazebo	Living roor	Candlestic	Hose	Knife	Poison	Revolver	Spade
	Officer	Lt. General © Major	ie		A MINISTER OF SIZE AND								
1	Off	Captain											
		Lieutenant											
	Enlisted	Corporal											
	Enli	Private											



# BUILDING A HOUSE

#### Scenario

The Wile an Eastern

They employed a carpenter, electrician, plumber, and mason ramed Cale, Edwards, Masters, and Perkins. Their first names are Carrie, Ed, Mervin, and Polly. Match first and last names to professions. Nane of the names or professions begin with the same letters.

	protess	ions be	egin wit	n the s	same 1	ettere	·			9.	
			Last N	Vames	S		Prof	ession	110		
		Cale	Edwards	Masters	Perkins	Carpenter	Flectnician	Plumber	Mason	ctriciar	
	Ed					N.	/k.				
James	Carrie				rhit	9.					
First Names	Polly				<b>20.</b>						
	Mervin	2	ece.	,							
Sion	Carpenter Electrician	© <sup>®</sup>					carp	enter.			
Professio	Plumber						work	: before	the m	leted th ason. Perkins	
	Mason						elect 4. Mas	trician. ters is		sister.	

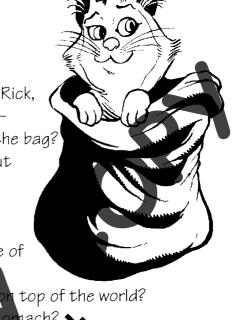
nor Perkins is the

# **EXPRESSION IMPRESSIONS**

#### Scenario

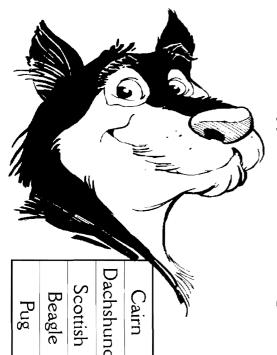
Out of these eight kids — Cheryl, Katie, Kyle, Rick, Cassie, Chloe, Chris, and Mary, find out who —

- 1. revealed a secret and let the cat out of the bag?
- 2. let some information go in one ear and out the other?
- 3. started trouble she couldn't stop, thus, opened a can of worms?
- 4. was grumpy and got up on the wrong side of the bed?
- 5. was so happy he thought he was sitting or top of the world?
- 6. was nervous and felt butterflies in her stomach?
- 7. shed crocodile tears in sorrow?
- 8. was found in a pickle in trouble?



													$\sim$			
	Let the cat	out of the bag	In one ear and	out the other	Open a can	of worms	To get up on the	wrong side of the bed	I'm sixting on top	Of the world	Butterflies in	the stomach	aiposos;	te (K.)	In a 🏠	pickle 6
Cheryl											<b>0</b>					
Katie					000		Q	9	<b>5</b>							
Kyle			7	V	Ó	C	رف									
Cassie	7	9		(	<b>©</b>											
Rick																
Chloe										,						
Chris																
Mary																

- 1 Cassie didn't tell Chris about his surprise party.
- 2. Kyle, who rarely listened, never heard the party was a surprise.
- 3. "Go ahead," screamed moody Mary to a boy, "Cry crocodile tears you shouldn't have ruined the surprise!"
- 4. Chloe, who always told the secret, said, "Katie, you are really in a pickle since you forgot to buy a present."
- 5. Cassie was overly excited about the party.



# DOG SHOW TODAY

#### Scenario

The final participants of the dog show are the Cairn Terrier, Dachshund, Scottish Terrier Beagle, and Pug. Sort through the clue to find the height and weight, coat color, nickname, and winning place of each See if your choice wins.

#### **CLUES**

- 1. Shaggy Toto, from the Wizard of Oz, is my ancestor with hazel eyes.
  - e Pug's friend, who 2. The Chine r, calle in 3rd.
  - othoraired sausage
  - ddish brown eyes. Perriers are 10 inches tall, wiry-haired and one shaggy.
  - The hound dog's eyes are the same light color as the 2nd place winner, the Cairns', whose eyes can also be brown.
  - 6. The heaviest terrier is not in the movies but loves to dance on his hind leas to the tune, "You take the high road, and I'll take the low road, and I'll be in Scotland before ye."
  - 7. Everyone roots for an underdog (pun) with beautiful dark eyes and the widest weight range.
  - 8. The Dachshund placed 4th, three places under the thickhaired twenty pound Beagle.

10" / 18-20 #'s 10" / 14 #'s 11" / 14-18 #'s 9" / 10-12 #'s 13"-15" / 20 #'s Wiry Short, smoot Shago Hazel on Dark Park rk Brov Short, soft, glossy Short, hard, de COLOR Dark Brown or Black Brown & Hazel ed Ssh Brown Scotty **NICKNAME** Chinese Toto Sausage dog Hound 1 st 2nd **PLACE** 3rd 4th 5th

# WORKAHOLICS

#### Scenario

Three men — Walt, Kirk, and Noel, each have two occupations from among the following — Engineer, Dermatologist, Professor, Artist, Novelist, and Judge. No two men have the same occupation. Match the occupations to the men.



- 2. The professor and novelist went fishing with Wet.

  3. The artist is related to the engineer

- 4. The dermatologist hire portrait.
- 5. Kirk lives next door to th
- 6. Noel beat Kirk an

	© Engineer	Dempatologist	Professor G	Artist	Novelist	Judge
V Valt Kirk	© Piec					
Noel						

# TEEN - AGE

Scenario

For a contest, this very puzzle was sold for a dollar. The fastest teen to complete it correctly would receive \$50 to spend at the local bookstore. See if you can match the

teens' ages to the first names — Brooklyn, Matthew, Janel,

Andrew, and Jessen and to the last names — Price,

Young, Pierce, Banks, and Rodgers.

,		,									
		Price	Young	Pierce	Banks	Rodgers	13	14	150	16	17
	Brooklyn							P	o co	erve	
	Matthew								Re		
	Janel							light			
	Andrew				S	ing	· P				
	Jessen				e	ning					
	13 14 15 16 17	?	© Pie	Jes o			1 2. Y 3. E 4. N 5. F 6. (	ES Jessen Jolder the Joung is John oth John oth John per John per John odger	nan Ja s the y s male ner boy ew is yo 15, is y rson is rk brid	nel an rounge, older s. rounger rounge name	d Priest, and that the the

- 1. Jessen is younger than Andrew but older than Janel and Price.
- 2. Young is the youngest, and a girl.
- 3. Banks is male, older than either of the other boys.
- 4. Matthew is younger than Jessen.
- 5. Pierce, 15, is younger than Banks.
- 6. One person is named for a famous New York bridge and the "Jolly" Rodger for her disposition.

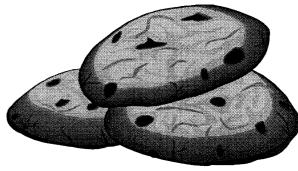
# LADY INVENTORS

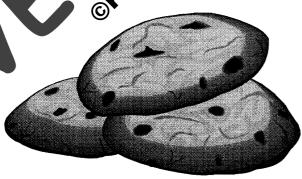
#### Scenario

These lady inventors all have made their marks on our lives in history. Bette Graham, Melitta Bentz, Marion Donovan, Jane Wells, Fannie Farmer, and Ruth Wakefield invented Scientifically Written Recipes, a Baby Jumper, Coffee Filters, Chocolate Chip Cookies, Disposable Diapers, and Liquid Paper. They invented in their hometowns of Chicago, Illhois; Whitman, Massachusetts; Dallas, Texas; New York, New York, Doston, Massachusetts; and Dresden, Germany, during the years 1872, 1896, 1909, 1933, 1952, and 1957. Match each inventor, town, invention, and year.

\* Historical Anecdote
To save time, the owner of the Toll
House Inn decided not to melt
chocolate squares for the recipe.
Instead, she took a semi-sweet candy,
broke it into pieces and added it to the
mix. She assumed the chocolate chips
would melt in the oven heat. Surprisingly,
the chocolate bits pretty much kept their
shape in the finished cookie. This "stake"
created the Toll House Cookie!

Source: Mothers of Imention
by Yare and tacek
Quill Winam Morrow
New York, New York





	Copyrighted Materi	al					
LADY INVENT  CLUES  1. Fannie could not	ORS	Scientifically written recipes	Baby jumper	Coffee filters	Chocolate chip	Disposable diapers	Liquid paper
continue to add a pinch of this and a pinch of that to her ingredients when cooking.	Bette Graham Melitta Bentz Marion					Ş	
2. Bette "painted over" typing errors and patented her product in 1957 in the South.	Donovan Jane Wells Fannie						
<ol> <li>Marion and Jane were "Necessity is the mother of invention" mothers</li> </ol>	Farmer Ruth Wakefield Chicago.	5	1	ervei	*		
who lived in New York and Chicago.  4. Chocolate chip cookies were	Farmer Ruth Wakefield Chicago, Illinois Dresden, Germany Whitman, Massachusetts Boston, Massachusetts	ights	Res				
invented in 1933 in  Massachusettes at  the Toll House Inn	Massachusetts Boston, Massachusetts Vork						
the Toll House Inn by mistake!*  5. Melitta used a pisce of blotting paper from her son's note- book in 1909 for her German invention  6. Jane did not make anything disposible but her patent was	Dallas, Texas						
her German invention  6. Jane did not make  anything disposible	1872 1896						
in 1872 in the Midwest. 7. Marion is about the	1909 1933						,
same age as Bette. 8. When you think Whit- man®, think chocolate!	1952						
	1057			1	1	1	,

1957

# THE PSYCHEDELIC '60'S SLANG

#### SCENARIO

The 1960's encompassed a time of turmoil among the youth of that day. They created their own way to communicate with each other. It built onto the '50's slang. Cross match the 1960's slang words to their meanings and to the original word meanings.



- 1. To dig a garden, one uses a shovel to make grooves of hills and valleys because hippies, the flower children of the '60's, felt fine and groovy working together.
- 2. They would make the scene which was once a rude thing to do, buten the '60's, meant they arrived at the party.
- 3 The king did not invite their bosses from work!
- The everyone began to boogie to the music even the flower children with big hips.
- 5. After the dance, everyone boogied home.
- 6. The party had been "far-out" which was an expression of delight, but to adults, meant far away.
- 7. To "dig it" was to like it and if "boss" you liked it better so the party was a grand success!

		'60'S SLANG							
T	HE PSYCHEDELIC '60'S SLANG	Dig it	Groovy	Far-out	Hang-up	Make the scene	Boogie	Hippies	Boss
	Furrowed with channels and hollows								
נט	To dance								
ACTUAL WORD MEANING	A rude thing to do								
KD ME	Distant						V		
WOF	To do to a phone						<i>6</i> <b>0</b> .		
	Big in the hips					Reser	10		
A(	To shovel				15	8.0			
	A person you work for			6					
	A problem								
	To go / leave		arni						
NINC	Flower children	O							
) ME/	To really like it								
SO'S WORD MEANING	Flower  children  To really like it  Feeling geat/ wonderful								
5,09,	To like it								
	A happy expression								
	One has arrived								

# IT'S A DOG'S LIFE

#### Scenario

Match each of the eleven people named Wade, Megan, Emmit, Levi, Quan, Renee, Jill, Cynthia, Carrie, Sarah, and Adam to the doggie sayings — dog cart, doggery, going to the dogs, dog days, doge dog tired, dog fennel, dogma, dogwatch, dog-eat-dog, and Note: (Use a dictionary for the saying's meanings if necessary.)

- 1. Renee hates hot July days as does Grandpa Emm who established that opinion long ago.
- 2. Cynthia says Levi is a worthless fellow.
- 3. "Too bad you're too exhausted to go hunting today I'm going anyhow!" snapped Quan to Megan's
- 4. Jill plans to ride in a two-wheeled ho during the July and August festival.
- 5. Neither Quan nor Rene dog world.
- 6. While Adam marks his black the night shift, and Sarah sips her Samomile herb tea.
- a motherless calf in a range ford. 7. Megan always acts



D	Γ΄S A OG΄S IFE	Dog Cart	Doggery	Going to the dogs	Dog Days	Dogear	Dog Tired	Dog Fennel	Dogma	Dogwatch	Dog-Fat-Dog	Dogy
	Wade											
	Megan						Right		arye	g.		
	Emmit							Re	ge T			
	Levi						Righ					
	Quan					10. VI						
	Renee				arni							
	Jill	h		ot								
	Cynthia	©	ieces									
	Carrie											
	Sarah							-				
oo	Adam											

## Darts (19)

Pam, 3rd

Sam, 1st

Cam, 2<sup>nd</sup>

#### Future Homes (20)

Fron. Sunshine Sil, Garnet Gire. Fuchsia

# Futuristic Tele-inventions (21)

Remo. Tele-Card Zan, Tele-T.V. Lorn, Tele-Phone

#### Future Toys (22)

Rem, Hi-Fly Ball Nori. Tele-Game Hep, Hover Board Kern, Robot-Friend

# Favorite Colors (23)

Rory, Orange Bruce, Red Patricia, Blue Meg, Purple

# Spring Socces

Scott. Adan

# Rollerblade Race (25)

David, Bright Blue, 4th Kenny, Neon Green, 1st Rick, Vibrant Yellow, 3rd Mary, Hot Pink, 2<sup>nd</sup>

# "Get Your Ducks in a Row" (26)

Maralie, 7:00 Amanda, 7:30 Emily, 7:45 Lindsay, 7:15

# Quilter's Choice (27)

Allie May, 2<sup>nd</sup>, Snail's 7 Margaret Ann, 3rd, Star of Bluegrass Helen Pearl, 1st, Lazy Dai

#### Plain Palace (28) (ayers

George, Fool Antoinette, Maio Randolph, B Diana, Henry,

Born, Kirk, born 2<sup>nd</sup>, 3:23 Srittany, Kirk, born 1st, 3:21

# The Pickle & The Onion Twins (30)

The Pickle & The Twins: PRay, P: The Twins: Ray and Merrill

# States' Plates (31)

John, Hawkeye, "Farmer," Iowa Kristen, Volunteer, "Ya'll," Tennessee Neil, Pacific Wonderland, "Timber," Oregon Karen, Golden, "Surfing," California

# Marsh Critters (32)

Tyler, Mud, 8 oz., Tybee Courtney, Horseshoe, 14 oz., James Miles, Fiddler, 2 oz., Hilton Head DeAnne, Blue, 6 oz., Hunting Island

# Boxwood Race (33)

Jeannie, Waves, 3rd Patrick, Solid, 2nd Ryan, Zigzag, 1st Ruth, Dots, 5th Don, Stripes, 4th

# School Spirit Days (34)

Jeff, 150, Team Wes, 135, Nerd John, 280, Backward Melinda, 125, Pajama Hill, 50, Hat

# What's Your Hobby? (35)

Anne, Quilter Cheryl, Novelist Ginny, Bridge Player Nancy, Florist Jane, Jeweler

# Two in E

Country (36) of Learning, S. S. Austraces Dan and Catie and Isabelle, England

# Bow-Wow Lane (37)

Dalmatian, 4D Cairn, 1A Scottish, 1A Retriever, 2B Poodle, 3C Dachshund, 5E Malamute, 6F

# Pair the Pals (38)

Katrina, Andrea Earl, Terri Julie, Alex Hans, Scott Betty, Ikuko Kelly, Marty

# Green Thumb Shop

Mrs. Mason, Plant & Vine Co. Miss Johnson, Plush & Green Co. Ms. Stevenson, Floral Flora Co. Mr. Carlson, Green Plants

#### Apartment Pecker and Pets (40)

1. 10 Camily of 4, 4 cats , Apt. 104, family of 1, 1 cat 103, family of 3, 3 cats Apt. 105, family of 5, 5 cats article, Apt. 102, family of 2, 2 cats

# The Job World (41)

Governor, Billie Store Owner, Carol Environmentalist, B.J. Author, Lori Engineer, Rich Doctor, Dot Olympic Trainer, Paul

# "Sit Right Down Miss Liza Jane and Hold on to the Shade" (42)

Helen Len, Alabama Carrie Lee, Georgia Susan Page, Louisiana Mary Agnes, Mississippi Mildred Dean, South Carolina Mary Agnes said it in Starkville, Mississippi

"A Stitch in Time Saves Nine" (43)

Gertie, Blanket Stitch Lorraine, Fly Stitch Marnie, Satin Stitch Laverne, Cross Stitch Ina, Chain Stitch Lenora, Basket Stitch

Mix-Up at the Lodge (44)

Sandy, Mrs. Dean, Sports Journalist, Rm.215 Jim, Mr. Dones, Jet Pilot, Rm. 107 Greg, Mr. Johnson, Realtor, Rm.108

Military Mansion Maybem (45)

Lt. General, Living room, Poison Major, Attic, Candlestick Captain, Cellar, Spade Lieutenant, Foyer, Knife Corporal, Garden, Hose Rivate, Gazebo, Revolver

Building a House (46)

Carrie, Masters, Plumber Polly, Edwards, Mason Mervin, Cale, Electrician Ed, Perkins, Carpenter

of Learning.

Cheryl, "Open a can worms"

Katie, "In a pickle"

VIe "In one ear and out the other" Cassie, 'Butterflies in the stomach"

Thris, "I'm sitting on top of the world" Mary, "To get up on the wrong side of the

bed"

Dog Show Today (48)

- Cairn; 10" / 14 #'s; Shaggy; Brown or

Hazel; Toto; 2<sup>nd</sup>

- Dachshund; 9" / 10-12#'s; Short, Sn

Reddish-brown; Sausage Dog;

- Scottish; 10" / 18-20 #'s; Wiry; Dark

Brown or Black; Scotty;

- Beagle; 13"-15" / 20 #'s; Short, Ha

Dense; Hazel or Dark; Hound;

- Pug; 11" / 14-18 #'s; Short, Soft, Glossy;

Dark; Chinese;

Workabolics 4

natologist and Novelist

Andrew Banks, 16

Jessen Pierce, 15

# Lady Inventors (51)

- Bette Graham; Liquid Paper®; Dallas, Texas, 1957

- Melitta Bentz; Coffee Filters; Dresden, Germany; 1909

- Marion Donovan; Disposable Diapers; New York, New York; 1952

- Jane Wells; Baby Jumper; Chicago, Illinois; 1872

- Fannie Farmer; Scientifically Written Recipes; Boston, Massachusetts; 1896

- Ruth Wakefield; Chocolate Chip Cookies; Whitman, Massachusetts; 1933

# The Psychedelic 60's Slang (53)

Dig it, to shovel, to like it Groovy, furrowed with channels and hollows, feeling great/wonderful Far-out, distant, a happy expression Hang-up, to do to a phone, a problem Make the scene, a rude thing to do, one has arrived Boogie, a dance, to go/leave

Hippies, big in the hips, flower children

Boss, a person you work for, to really like it

It's a Dog's Life (55) Wade, Dog tired Meagan, Dogy Emmit, Dogma Levi, Going to the dogs Quan, Doggery Renee, Dog days Jill, Dog cart Cynthia, Dog-eat-dog Carrie, Dogwatch © Pieces of Learning, All Rights Reserved. Sarah, Dog fernel Adam, Dogear

# The Games of Frogmore County

# **DEDUCTIVE** REASONING **PUZZIF**

Thinking Divergent

Solut: process of E

CREATIVE/CRITICAL THINKING

Logical Thinking

Practice: "Genius is 1% inspiration and 99% perspiration."

by Thomas Edison

(Edison means do not give up on the puzzles! You can do it!)

# The Games of Frogmore County

#### INTRODUCTION:

The games of Frogmore County are a manipulative approach logical thinking. The games provide a step-by-step approach to le problem solving.

Students choose different methods of learning:

- 1. visual
- 2. auditory
- 3. verbal
- 4. manipulative

Frogmore County puzzles utilize all four learning styles. A player logically moves game pieces according to the clues give. He/She can visually see the progress. Alone, one can talk to himself, or with a partner discuss, during the problem solving process.

Each game offers exercises in deductive reasoning. The process nore inportant than the involved in reasoning becomes almost

#### HOW TO PLAY HINTS

- 2. Only place a piece on the game board if you are sure it
- 1. Categorize the playing picces.
  2. Only place a piece on the fits there.
  3. Make a "F" 3. Make a "FITS TOGETHER" and "DO NOT FIT TOGETHER" card. Use the "FITS "OGETHER" card for placing pieces together that out where they fit is yet undetermined.
  - Use the DO NOT FIT TOGETHER" card for pieces that do not go together ever, until you logically conclude their position on the game board.

Fits together

Do not fit together

#### RIGOR AND RELEVANCY:

Problem solving skills are essential as a life skill. Deductive reasoning is the most familiar form and, therefore, the place to begin. It is the process that becomes as important as the discovery of the solution.

#### **OBJECTIVE:**

The objective is to use reasoning — deductive think techniques — to move from a premise to a logical conclusion by playing a problem solving game.

#### STORING THE GAME AND GAME PIECES:

Cut out and laminate each game pier and senario/clues card. Laminate the game board. Use a pocket folder to story

Use a pocket folder to store each game — the board, the game and the separo/clues card pieces, and the senar o/clues card.

— the board, the game ges is Over art for each game. Have the student and mount the cover art to the front of each colder. On the following pages is over art for each game. Have the students color the illustration game folder.

Frogmore County Contest ants Reserved. Learning!

# FROGMORE COUNTY CONTEST

#### Scenario

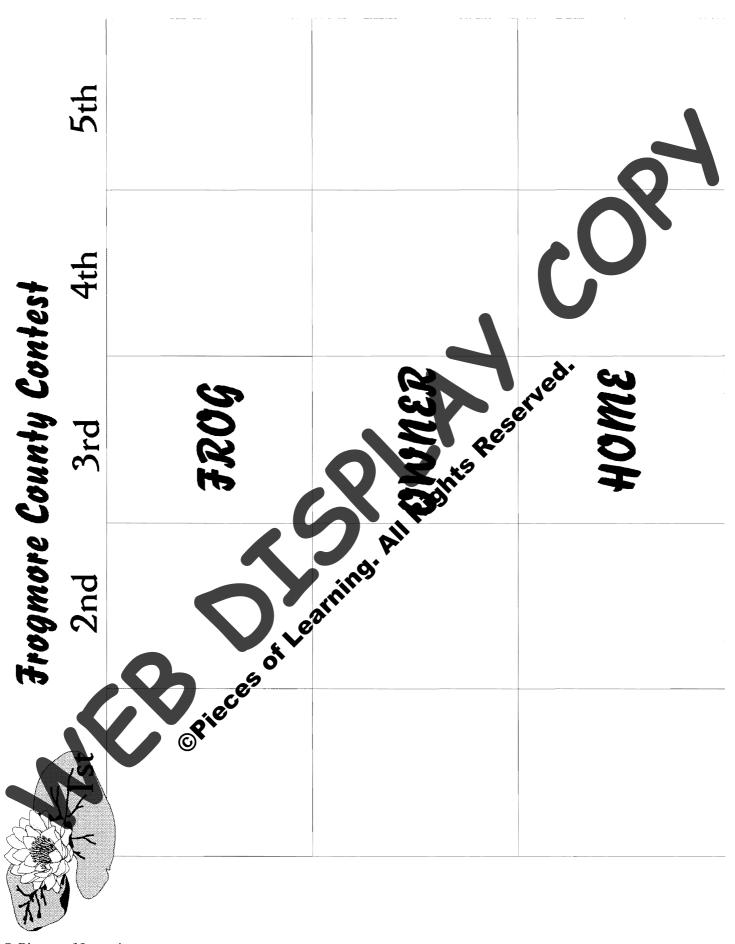
Five children, Fred, Brett, Sarah, Perry, and Nora entered their fr the annual frog contest. The entrants' frogs were named Macho Wart Pounder, Croaker, Vector, and Felicia. Each grew up in different ma Broad River Marsh, Fripp Walking Bridge, North Beach Marsh, Parris Isla Marsh, and Sea Spray Marsh. No owner's name begins with as his home. Use the clues to decide each frog's owner, the area marsh in which he lives, and how he placed in the contest.

- 1. Macho Wart placed 4th, two places behind Brett's beach from
- 2. Parris Island was Fred's favorite place to play
- 3. Nora had warts from Perry's frog.
- 4. Croaker was mediocre and only jumped whe
- iensung of nanaged to beat nch sounding island.

  There is the control of the cont 5. Nora's walking frog weighed a lot especially Felicia who lived on
- 6. Sarah loved the music on the r

# Fragmore County Contest

Vector	No.	Parrís Island Marsh
Macho ws	TATO	Spray Marsh
Felicia	C II Raht	Broad Reserver Marsh
Point State of the	earning. A.	North Beach Marsh
Croaker	E. O.	Fripp Walking Bridge





# UNCLE SAM STATUES

#### Scenario

Frogmore County is a melting pot of people who moved there from other states. Most everyone is patriotic. Some of its citizens even Uncle Sam Statues. Read the clues to discover who owns which a from which state they hail, how much their statue originally cost, and whether they owned statue A, B, C, or D.

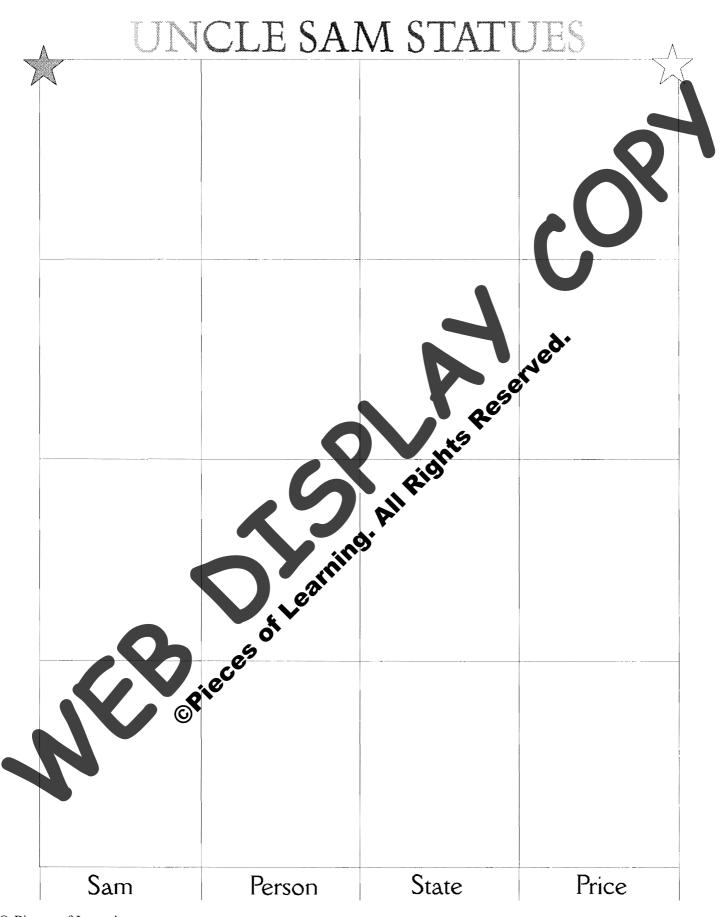
#### **CLUES**

- 1. Neither Chris nor Melinda like slim Sams.
- 2. Holly told Chris, from the East, that he had expensive taste.
- 3. Melinda paid \$3.00 less for her Southern Sam tha n Andy who was from the Midwest.
- 4. Holly comes from the Mile High State where American flags.

The collection of Learning. All Rights

# UNCLE SAM STATUES

<u> </u>			<b>-</b>
A	B	C	D 🗷
Chris	Andy	Melinda Melinda Ali Rights Res	erved Holly
Connecticut	Michigan	Colorado	Oregon
\$12.50	\$22.00	\$35.00	\$25.00





# BEACH FEAST

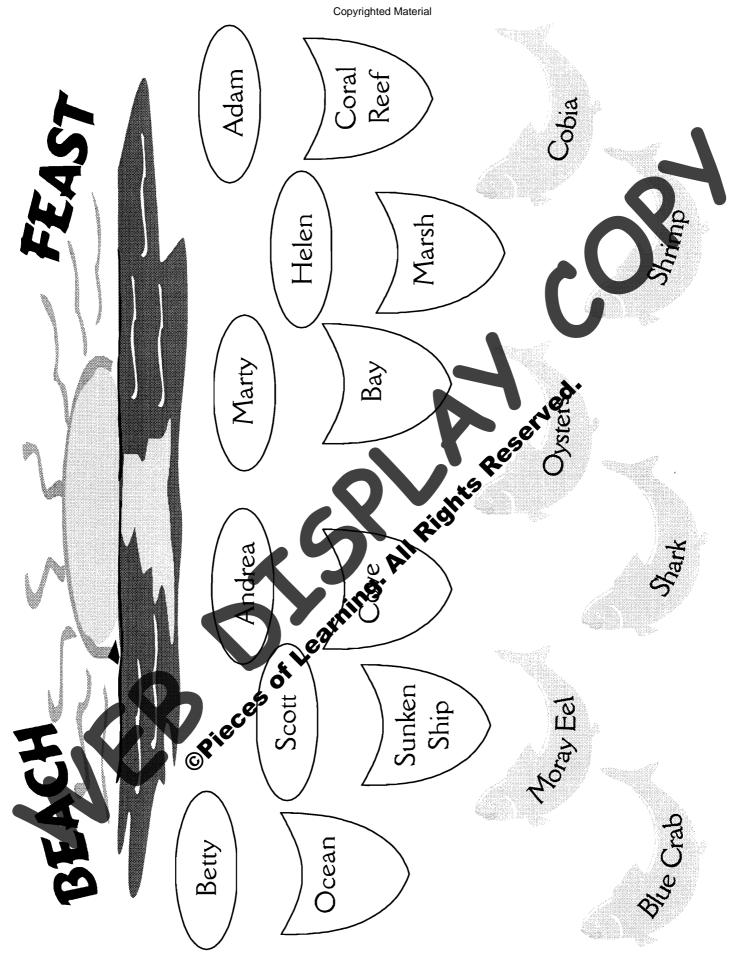
### Scenario

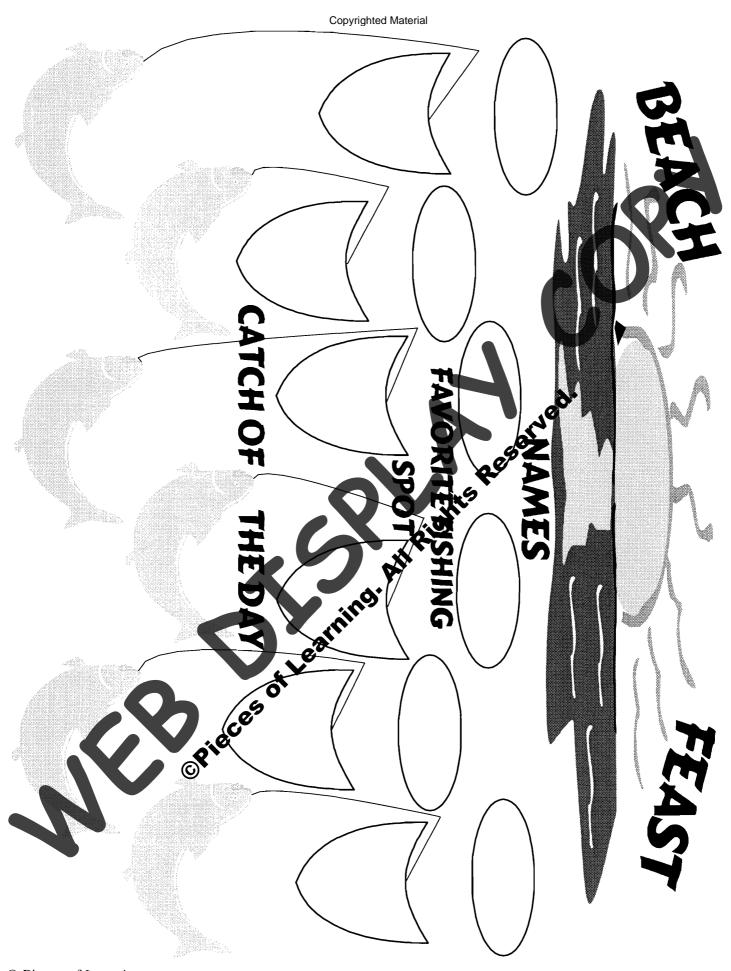
Six teens — Betty, Scott, Andrea, Marty, Helen, and Adam wer fishing for his/her catch. It was a beautiful warm sunny summery day, absolutely perfect for the planned cookout on the beach at sund ever showed up without a dish, or rather, fish, would surely be razzed! E one brought something! Who caught which seafood and what female's catch was most uncommon to eat, and therefore, razze

## CLUES

- 1. Betty's catch walked sideways under sandy bridge in muddy spartina grass.
- 2. Scott loved fishing with 80 pound lines!
- 3. Andrea enjoyed colorful fish and shells whi
- 4. Cut feet never stopped Michael from bay fis
- 5. Helen net-fished in quiet wat
- 6. Adam loved scuba diving adv

of least the movie "Jaws."







# **FRANCHISE**

# Scenario

Ben, Bob, Bill, Bonnie, Barry, and Bianca each delighted in purcha a food chain franchise of his/her choice. The franchise names were Que Burger, Ar-Cees, MacDucks, Easyees, Mindy's and Princess Ice Cr

Bob, recently from England, was thrilled to set up an Ame food chain as property of the crown. Each person had specific reasons for choosing his/her fast food chain. Who owned which franchise and purchasing price?

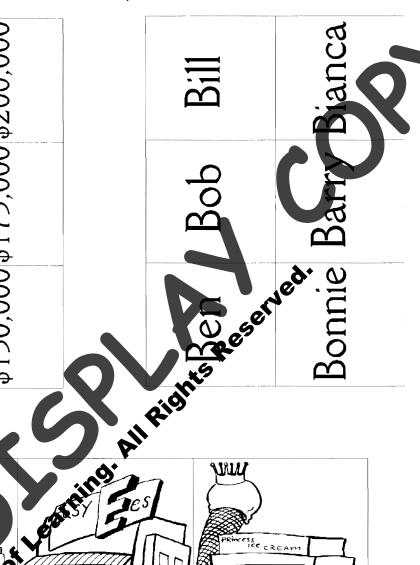
### CLUES

- 1. Bob decided he could pay a little more that Princess Ice Cream.
- 2. Ben had \$135,000, but had to borrow a small balance to open his franchise. franchise.
- owder, left him \$130,000, more than 3. Bill's uncle, the famous Arti enough to start a busing
- 4. Easyee's cost \$25,000
- 5. Bonnie named her franchise after her best friend.
- 6. Bianca loved her seasonal summer business.

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# Franchise

\$125,000	\$200,000
\$100,000 \$110,000 \$125,000	\$150,000 \$175,000 \$200,000
\$100,000	\$150,000





		Franchise	<del>\$</del>	Name		
	Franchise	<del>⇔</del>	Name	O'		
Franchise	Panghise Opieco	Name	s Reserved.	Franchise		
Franchise	<del>\$</del>	arring, all Right		chise		
	Angoise © Pieces	<del>\$</del>	Name			
		Franchise	\$	Name		



# FORUM

### Scenario

The Greeks were known to be the first orators. Each Greek family named Socrates, Spartan, Ionian, Aristotle, and Athenian, Iearned the value of public speaking. They practiced the art of pantomime (acting without words), bluff (a way to prove your point without proper facts), persuasion (an ability to change people's minds), informing (describing, telling facts), and oratory (a complete and effective speech), to gain back the land they lost during the war.

Each family planned to regain his land by proving his/her ownership in his speech. One family spoke at Thesis Hills and another at the Parthenon. The other three spoke at Oration Meadows, on Sicilian Mouldain, or Podium Pond.

Match each family to the type of speech given at the proper location.

# CLUES

- 1. The Athenian family had the ability to change people's minds, and won the right to their land at the Fad.
- 2. Two families beginning with same of the proved his/her point and gained land ownership: of by telling specific facts and the other without proper fact.
- 3. The most effective speech was given on the mountain by the Ionians while the least hones was on the hill.
- 4. Two families with sames beginning the same gave their speeches at locations each eginning with the same letter.
- 5 Regardles what the name of their location would imply, the Spartans did not Se an oratorical speech.

# Forum

Socrates Family Aristotle Family Athenian **Family** Ionian Family Spartan Family

Oration Meadows Parthanon Allani

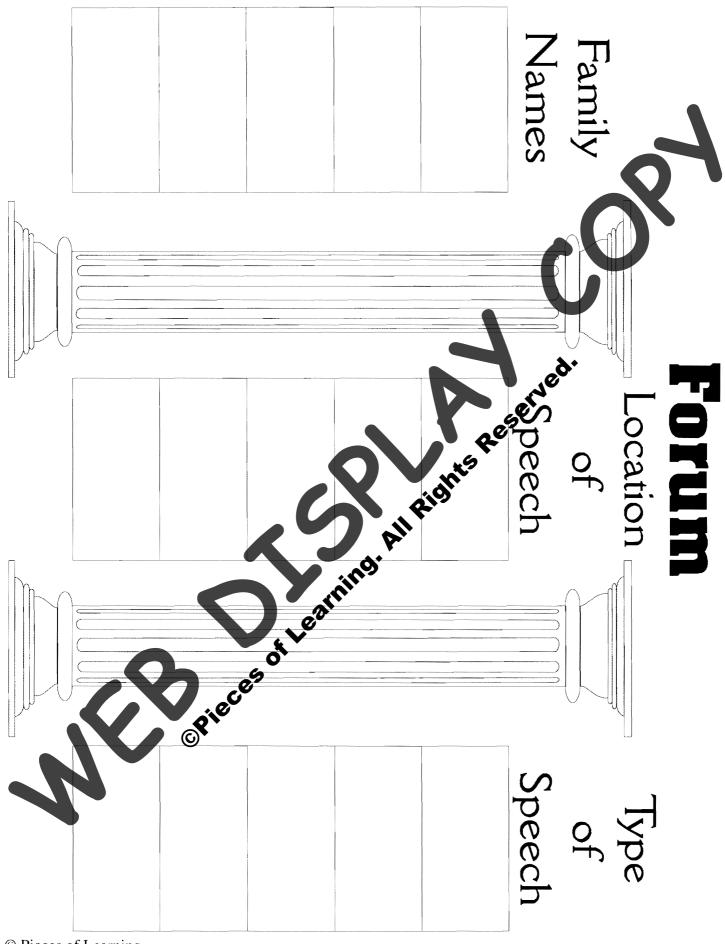
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# THE PICNIC BASKET

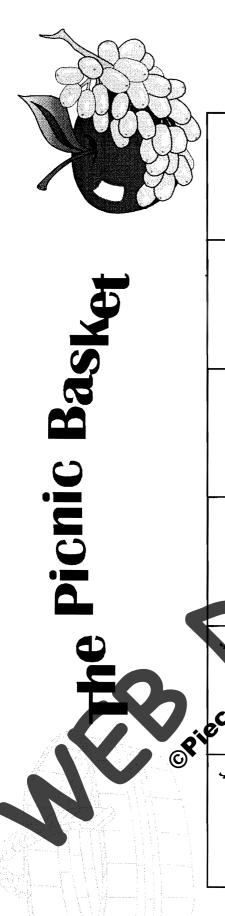
### Scenario

The Picnic Basket was a favorite kid hang-out. Each week during summer, six friends would meet at the Basket for their favorite snack. Match each main dish, fruit, drink, and dessert to each person. person chose what you would have chosen to eat.

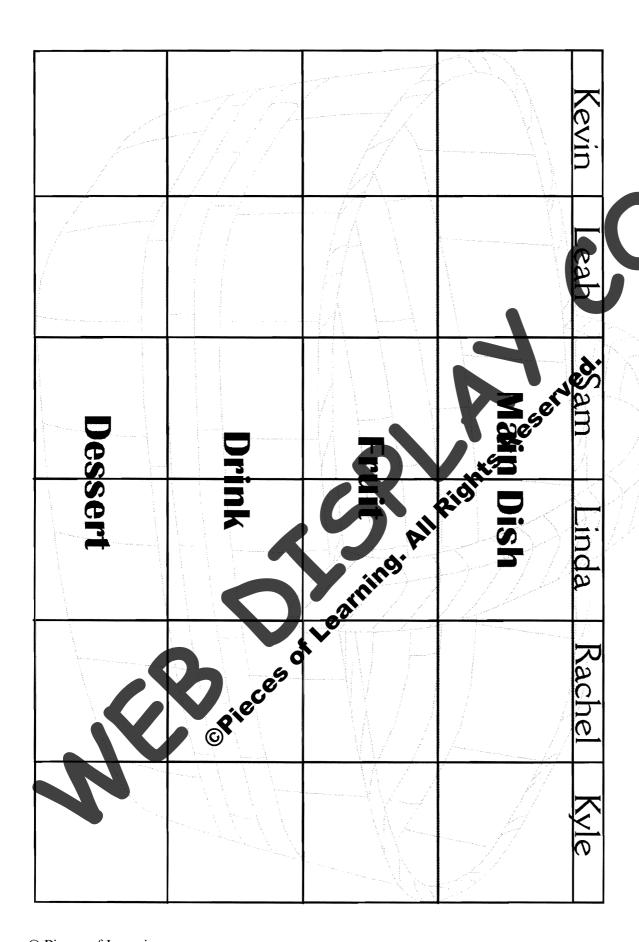
# **C**LUES

- 1. Leah was the only girl who enjoyed carbonated drinks.
- 2. Except for dessert, two with the same first initial ate the same foods.
- 3. Sam had what vegetarian Linda had, including dessert, except he substituted cola for juice.
- 4. Kyle dined on Sam's menu.
- 5. Leah had a full meal from hamburger to lemon slush le Rachel but did not have grapes because they reminded her of
- 6. No one liked chocolate.
- 7. Five-sixths of the kids believe the doctor away."

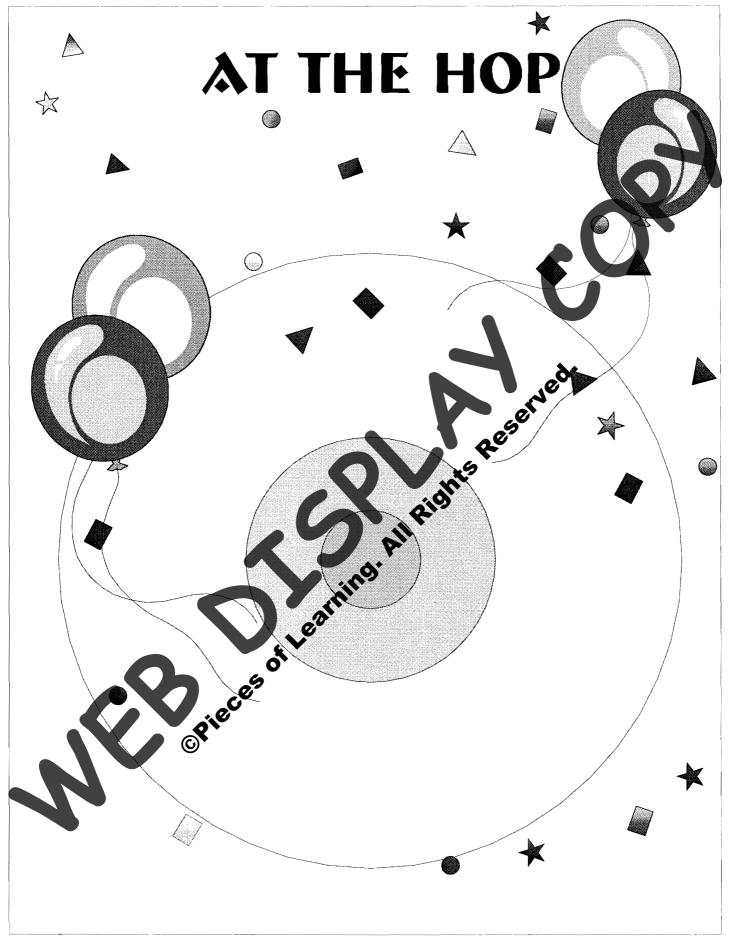
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# The Picnic Basket



# AT THE HOP

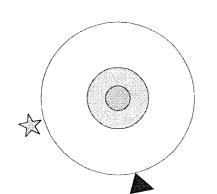
### Scenario

The 1950's teens, Phil, Paul, Rich, Libby, Joanna, and Jennifer loved their faddish clothing, bob-sha-bop dances, slang words and sayings, spiff cars, and 45 rpm records. Match each of the above according to the cluss and see how well you perform at the hop.

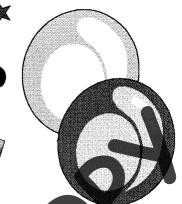
## **CLUES**

- 1. Because he was too cheap to buy gas, he drove his girlfriend's 409, parked next to Rich, (who was in a GTO, and was waiting for the doors to open to his favorite dance, Pink Shoe Laces), and shouted, "Man-oh-man, what a great day for driving!"
- 2. Libby's hobby was bike riding, and her girlfriend thought was were neato.
- 3. The Coral Label was a favorite at the "Under the Wa" dance.
- 4. Jennifer, who liked love songs and believed there was life on Mars, attended a dance to which she were bobbic cocks and arrived in her cool XKE.
- 5. Phil, captain of the hockey team, tookhis sweet old-fashioned date in his Jag to the Beachcomber's dance.
- 6. A girl slammed her ford doors of entered The Hop where she danced to the Four Preps in her pood skirt.
- 7. Rich rolled up his jeans an arrived at the dance with his radio blaring his sister's favorite song, "Sweeter Than You."
- 8. As Rich entered the ance, he overheard his sister say, "Sit on it," to a boy wearing a laster sweater who answered, "No, Daddy-oh!"

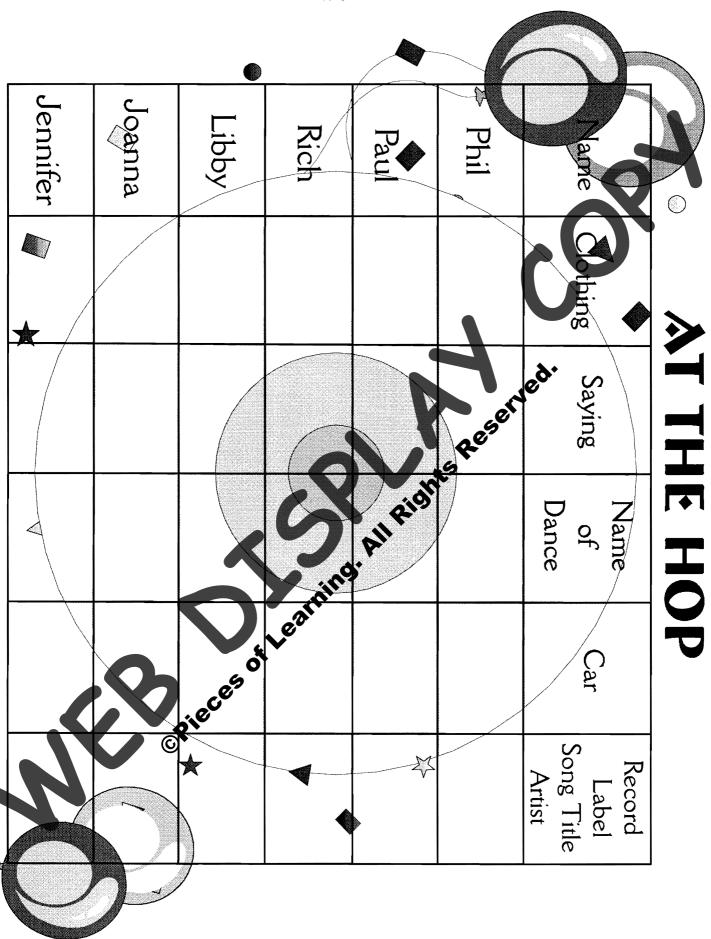








Pedal Pushers	"Cool"	Beach- comber	'56 Ford	Dot Label "Don"t Forbid Me" Par Boone
Rolled-up Jeans	"Man-Oh- Man"	Bunny Hop	G	Coral Label "Sweet Old- Fashioned Girl" Teresa Brewer
Letter Sweater	"Wow"	Pink Shoe Laces	THE HEEP PARTY OF THE PARTY OF	Capitol Label "26 Miles" Four Preps
Bobbie Socks	"Daddy- oh"	Lolliporei Borni	'52 Chevy	RCA Victor Label "Love Me Tender" Elvis Presley
Poodle Skirt	"Neato"	Martian	Jaguar	Coral Label "La Bamba" Buddy Holly
Penny Loafers	Sit on it"	Under the Sea	409	Imperial Label "Sweeter Than You" Ricky Nelson



# Answers to Frogmore County MANIPULATIVE PUZZLES

# FROGMORE COUNTY CONTEST

1st, Pounder, Nora, Fripp Walking Bridge 2nd, Vector, Brett, North Beach Marsh 3rd, Croaker, Sarah, Broad River Marsh 4th, Macho, Perry, Sea Spray Marsh 5th, Felicia, Fred, Parris Island Marsh

# UNCLE SAM STATUES

C, Holly, Colorado, \$12.50

D, Melinda, Oregon, \$22.00

A, Andy, Michigan, \$25.00

B, Chris, Connecticut, \$35.00

# BEACH FEAST

Betty, Marsh, Blue Crab

Scott, Ocean, Cobia

Andrea, Coral Reef, Moray Eel

Marty, Bay, Oysters

Helen, Cove, Shrim

Adam, Sunker Sea Si

\*Andrea'e

ce Cream, \$100,000

🕄 rger, \$110,000

**9**. \$125,000

Ben, MacBurger, \$150,000

Barry, Easyees, \$175,000

Bonnie, Mindy's, \$200,000

b, Shaking, we the r

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### FORUM

Spartan, Oration Meadows, Inform Ionian, Sicilian Mountain, Oratory Athenian, Podium Pond, Persuade Aristotle, The Parthenon, Pantomime Socrates, Thesis Hills, Bluff

# THE PICNIC BASKET

Kevin, pizza, apple, cola, none Leah, hamburger, apple, cola, lemon slush Sam, pizza, apple, cola, lemon slush Linda, pizza, apple, juice, lemon slush Rachel, hamburger, grapes, juice, lemon slusl Kyle, pizza, apple, cola, lemon slush

# AT THE HOP

achcomic, Jaguar, shicked Girl" — Tinder the Scandov' Phil, letter sweater, "Dadd — Teresa Brewer , Uraer the Sea, '52 Chevy, Paul, penny loafers," Van-oh-ma Coral Label Rich, rolled-up

🎢 it", Lollipop Bop, 409, Libby, pedal push

perial Label - Sweeter Than You" — Ricky Nelson

dle ski**r\$"**Neato", Bunny Hop, '56 Ford,

"26 Miles" — Four Preps

socks, "Cool", Meet the Martian, XKE,

Oictor Label — "Love Me Tender" — Elvis Presley

# WRITE YOUR OWN LINKS TO LOGIC PUZZLE!

Тітц	E:
Scenario:_	<b></b>
- - -	
CLUES:	TRIX:  Deieces of Learning. All Rights  Deieces of Learning.
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