

Dudley the Detective HOTS Club	
Activity	Point Value
<u>Problem Solvers – 1st</u>	
1. PS #1 – Ryan's Farm	5 points
2. PS #2 – Julie's shirts	5 points
3. PS #3 – Dan and Delia	5 points
4. ext: PS #55 (monkeys)	10 points
5. PS #10 – Hooper Family	5 points
6. PS #11 - puppets	5 points
7. PS #12 – t-shirts	5 points
8. ext: PS #58 (mouse)	10 points
<u>Problem Solvers – 2nd</u>	
9. PS #1 - caps	10 points
10. PS #2 – Rita's pets	15 points
12. PS #3 – Angie's sister	15 points
13. ext: PS #55 – Gary Goat	15 points
14. PS #10 – bike hike	15 points
15. PS #11 - monkeys	15 points
16. PS #12 – Camper family	10 points
17. ext: PS #58 – 2 nd grade lunches	10 points
<u>Logic Grids:</u>	
18. A bicycle built for bears	20 points
19. Bear Baseball	10 points
20. Bears Play on Wheels	20 points
21. Bear Breakfast	15 points
22. Bears come to school	10 points
23. Bear Caves	15 points
24. Teddy Bear Totem Poles	20 points
<u>Other:</u>	
25. 100's chart puzzle	15 points
26. Very Venn	10 points
27. Which one does not belong?	5 points
28. What comes next?	10 points
29. Stars and Moons	10 points



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Dudley the Detective – Detective Logic/Convergent

[illegible]

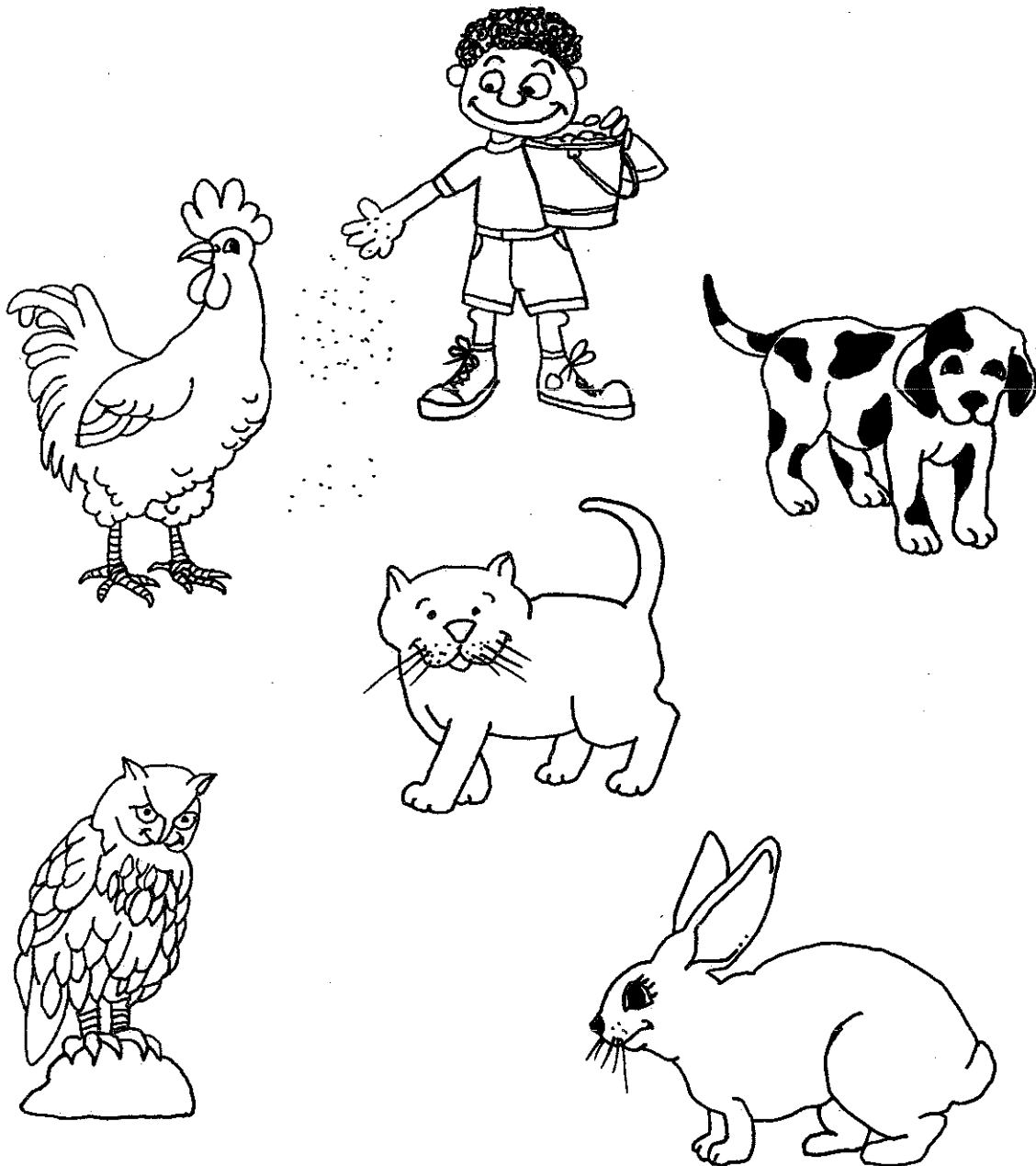


#1 5 points

USE LOGICAL REASONING

- 1 On Ryan's farm there is a rooster, a cat, a rabbit, a dog, and an owl. Ryan likes all the animals, but he likes one best of all.
It has 4 legs.
It has whiskers.
It has a short tail.
Which animal does Ryan like best?

Draw a ring around the animal.



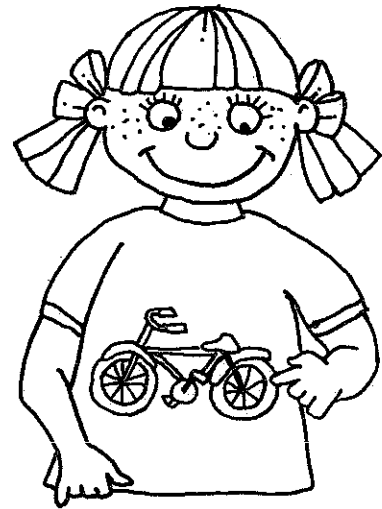


#2 5points

USE LOGICAL REASONING

- 2 Julie has five T-shirts that she wears a lot. She got one of the shirts from her brother.
It has short sleeves.
It has a picture of an animal on it.
It has four words on it.
Which T-shirt did Julie get from her brother?

Draw a ring around the T-shirt.





#3 5 points

USE LOGICAL REASONING

Name _____

- 3 Dan and Delia are going to buy a toy. They both like toys that have wheels. They are looking at a race car, a motorcycle, a fire truck, a lumber truck, and a van. They both like one of the toys very much. Dan and Delia want to buy this toy.

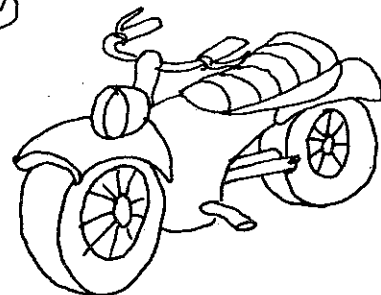
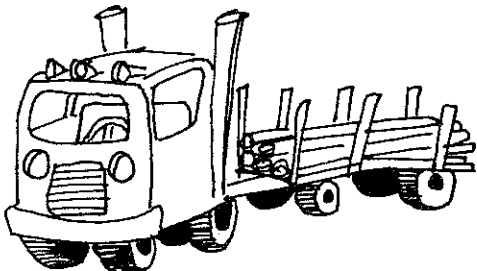
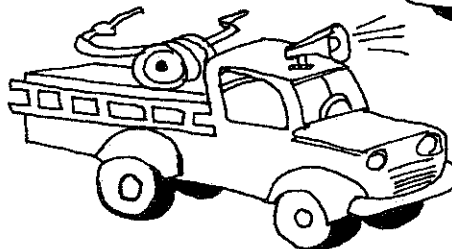
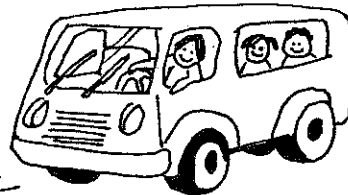
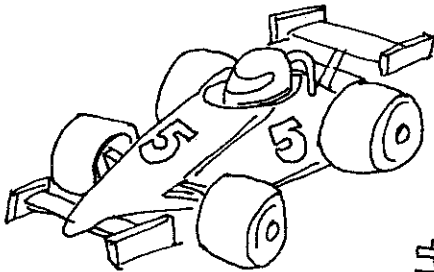
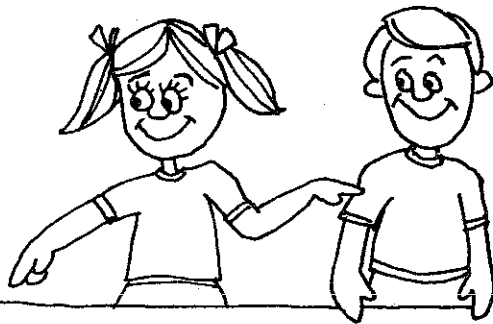
It has 4 wheels.

It does not have a ladder.

It has a back seat.

Which toy do Dan and Delia want to buy?

Draw a ring around the toy.



55 The monkeys at the Coldwater Zoo are very funny. They play with anything they can find. One of the monkeys is named Noodle. You can find Noodle if you look for him.

He is hanging upside down.

He is not eating a banana.

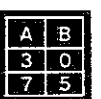
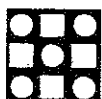
He is wearing something on his head.

Which monkey is Noodle?

Draw a ring around Noodle.



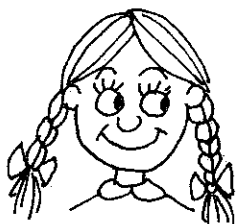
What did you use to solve the problem? Circle to show.





- 10** Bob, Peggy, Jeremy, and Doreen are children in the Hooper family. Each of the children carries things to school in a backpack. Bob's pack is the largest one. Peggy's pack has dots all over it. Doreen's pack does not have a hole in it. Which backpack belongs to each child?

Draw a line from each child to his or her backpack.



Doreen



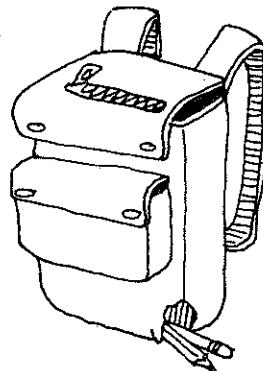
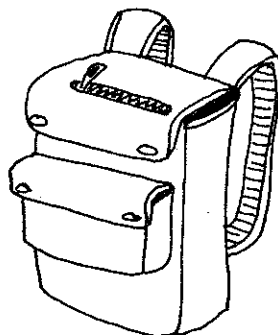
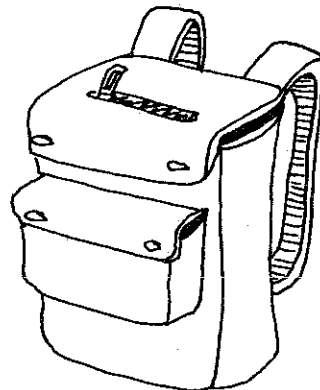
Bob



Peggy



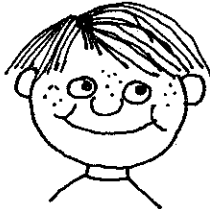
Jeremy





- 11** David, James, Maria, and Ruth each have a puppet. David's puppet has the largest ears. Ruth's puppet is wearing a hat. Maria's puppet does not have a long nose. Which puppet belongs to each child?

Draw a line from each child to his or her puppet.



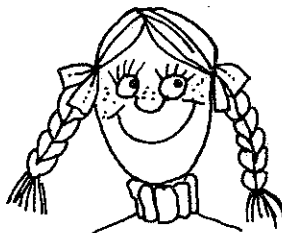
David



James



Maria



Ruth





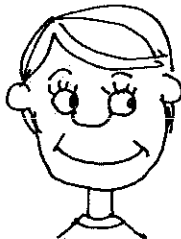
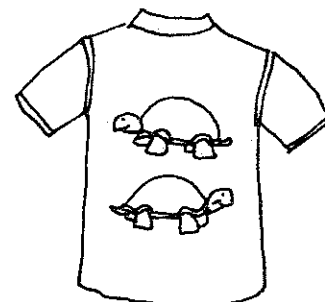
7 5points

USE LOGICAL REASONING

Name _____

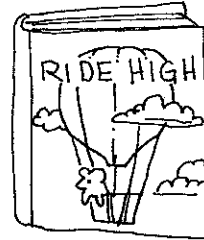
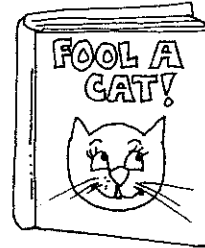
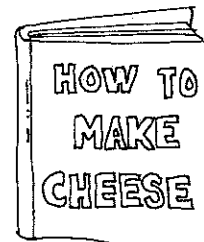
- 12** Armando, Chip, Doug, and Hugo put on their T-shirts. Doug's shirt has a robot on it. Hugo's shirt is the smallest one. Armando won't wear a T-shirt that has a monster on it. Which T-shirt belongs to each boy?

Draw a line from each boy to his T-shirt.

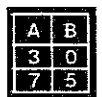
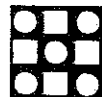
**Armando****Chip****Doug****Hugo**

- 58** Minnie, Manny, Mo, and May Mouse went to the library to get their favorite books. Each of the mice got a book. Minnie's book is the largest. Manny's book does not have a picture on the cover. May is afraid of cats. She won't touch a book about cats! Which book did each mouse get from the library?

Draw a line from each mouse to the book he or she got.

Minnie**Manny****Mo****May**

What did you use to solve the problem? Circle to show.





#9 10points

USE LOGICAL REASONING

Name _____

- 1 Kris likes caps! He wears caps to school. He wears caps to the park. He wears caps everywhere he goes. Today he found one more cap to wear.

It covers his ears.

It has two buttons on it.

One of the buttons shows a picture of an animal.

Which cap did Kris find today?

Draw a ring around the cap.





- 2** Rita has 5 pets. She has a bird, a turtle, a cat, a snake, and a hamster. She took her pets to a pet fair. One of them won first prize. She didn't say which one, but she gave some hints.

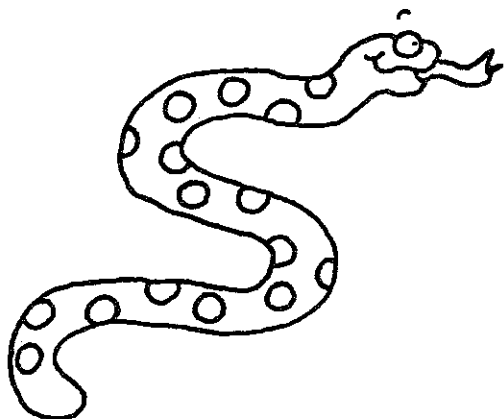
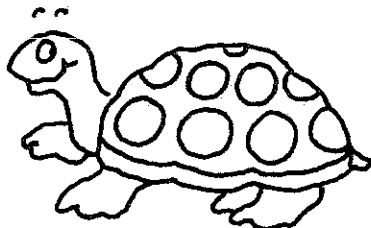
It is spotted.

It has four legs.

It is furry.

Which one of Rita's pets won first prize?

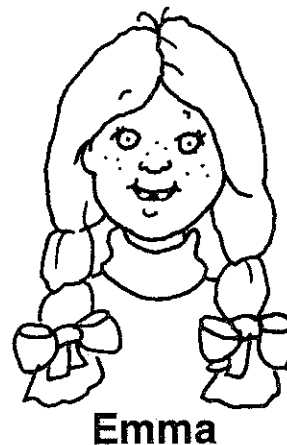
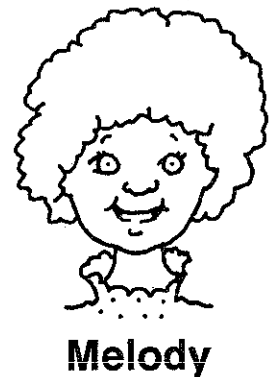
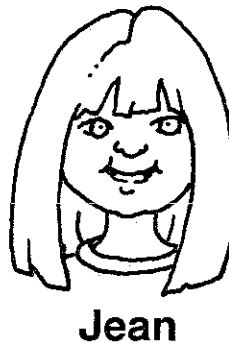
Draw a ring around the animal.





- 3 Angie showed Fred a picture of Ginger, Jean, Melody, Emma, and Doris. Fred looked at the picture of the five girls and asked Angie which girl was her sister. Angie said,
- “She has freckles.
She has long hair and it’s in pigtails.
She has teeth missing.”
- Which girl is Angie’s sister?

Write the girl’s name. _____



#13

15 points

Name _____

55

Gary Goat went to the store to buy a coat. He looked at a long coat and a short coat. He tried on a red coat and a blue coat. Then he bought the coat he liked best.

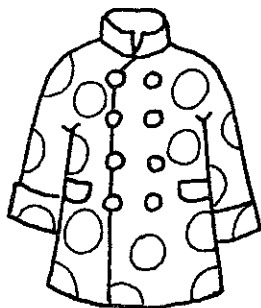
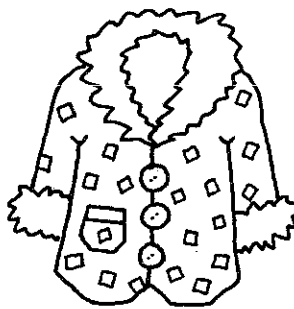
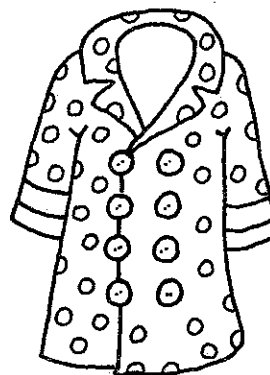
It had 8 buttons on it.

It had round dots all over it.

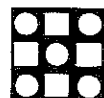
It did not have a pocket.

Which coat did Gary Goat buy?

Draw a ring around the coat.



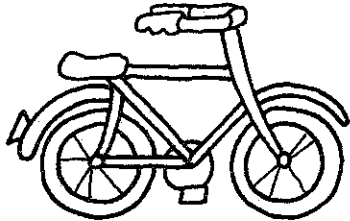
What did you use to solve the problem? Circle to show.



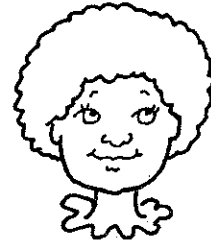
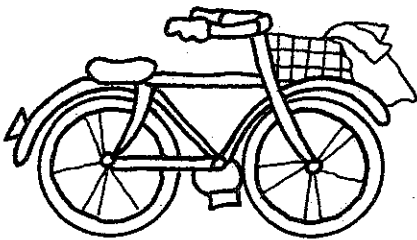


- 10** Pam, Jen, Ken, Ned, and Ted are going on a bike hike today. The lunches are in the basket on Ted's bike. The cans of cold drink are in the basket on Jen's bike. Pam's bike does not have a basket. Ned's bike has the biggest wheels. Which bike belongs to each bike hiker?

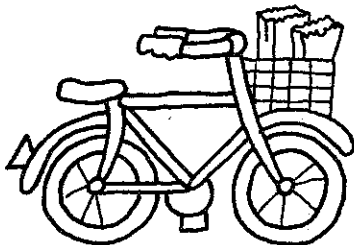
Draw a line from each bike hiker to his or her bike.



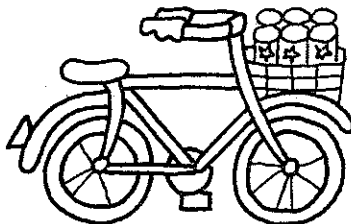
Jen



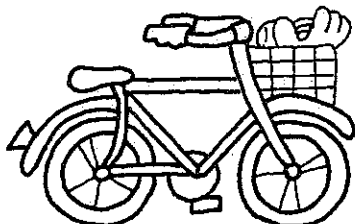
Pam



Ken



Ned



Ted



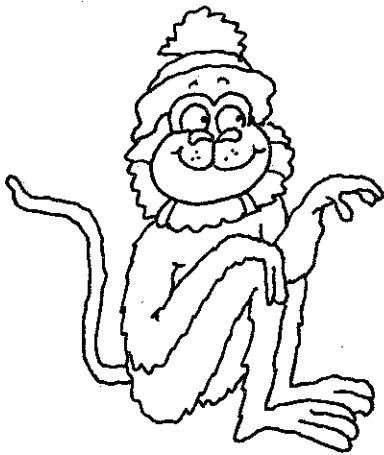
15 ¹⁵ points

USE LOGICAL REASONING

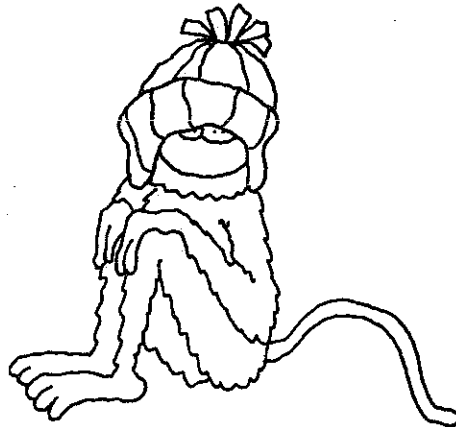
Name _____

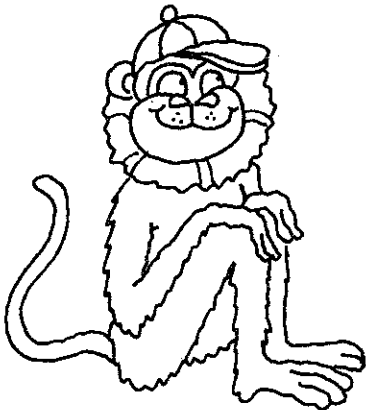
- 11** Marvin, Mary, Meg, Moe, and Morris Monkey are showing off their new hats. Mary's hat has a feather on it. Morris is wearing a cowboy hat. Marvin's hat has a fuzzy ball on top of it. Meg's hat is much too big for her! What is the name of each monkey shown in the picture?

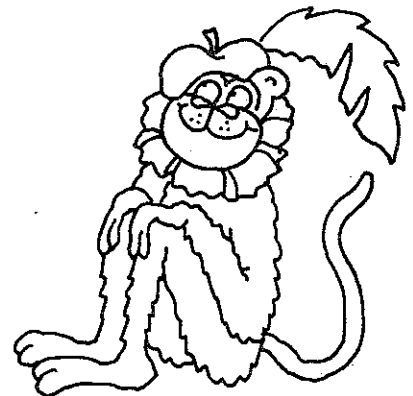
Write the name of each monkey below its picture.













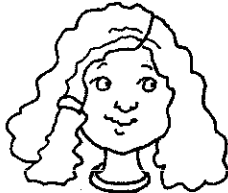
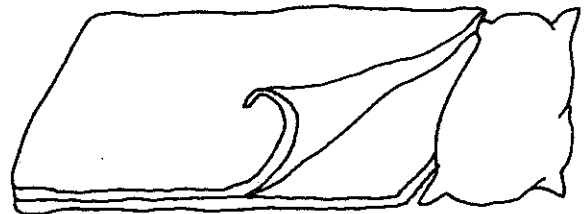
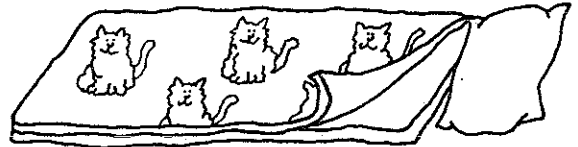
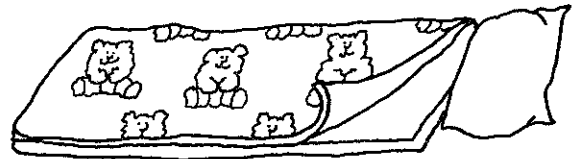
#16 10points

USE LOGICAL REASONING

Name _____

- 12** There are five children in the Camper family. Each one has a sleeping bag. Jerry's bag is the biggest one of all. Sherry's bag has pictures of cars all over it and Barry's bag has pictures of cats on it. Harry won't sleep in a bag that has pictures on it. He thinks they are silly. Carrie doesn't mind having pictures on hers. Which sleeping bag belongs to each child?

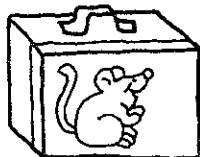
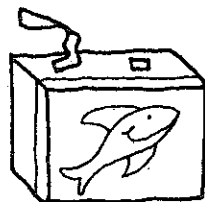
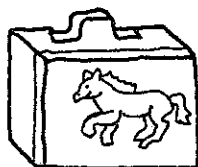
Draw a line from each child to his or her sleeping bag.

**Jerry****Sherry****Barry****Harry****Carrie**

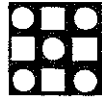
58

Scott, Marc, Betsy, Ginny, and Ann are in second grade. Scott took his lunch in a bag today. Marc's lunchbox has a picture of a horse on it. Ginny's lunchbox has a frog on it. Betsy can't carry her lunchbox by the handle. Which lunch belongs to each child?

Draw a line from each child to his or her lunch.

**Ann****Marc****Betsy****Ginny****Scott**

What did you use to solve the problem? Circle to show.







A Bicycle Built for Bears

Name _____

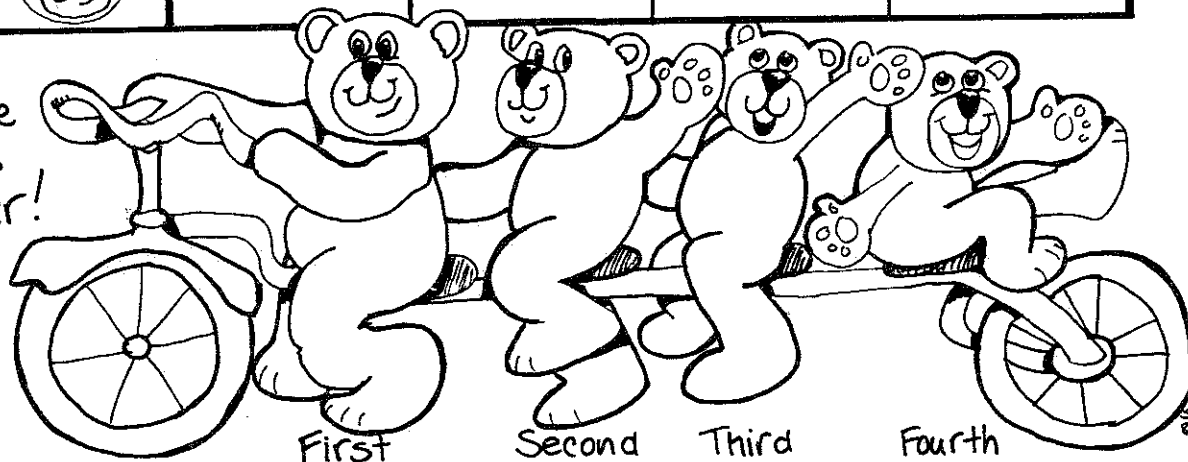
One day, four bears went for a bicycle ride on a bicycle built for four.

1. The yellow bear was not first.
2. The red bear was between the green bear and the blue bear.
3. The green bear was between the yellow bear and the red bear.
4. The red bear is ahead of the green bear.

What position was each bear?

	First	Second	Third	Fourth
Yellow 				
Red 				
Blue 				
Green 				

Color the bears in order!



Bear Baseball!

Name _____

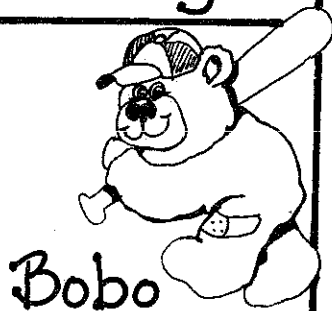
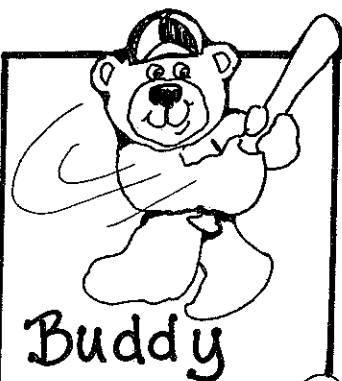


1. Buddy and the shortstop gave a party for Bobo yesterday.
2. Bobo sent thank you notes to Brooke and the pitcher.
3. Buddy is not the catcher.
4. Who plays each position?

Catcher

Pitcher

Shortstop



Buddy Bear is the _____.

Bobo Bear is the _____.

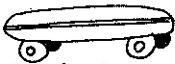







Brooke Bear is the _____.

Bears Play on Wheels

My Name _____

Four bears, Betty, Barney, Burt, and Bonnie, like to play on toys with wheels.

- Clues:**
1. Bonnie's toy does not have 4 wheels.
 2. Barney's is more dangerous to ride than Burt's so he wears a helmet.
 3. Betty's toy has more wheels than Bonnie's.
 4. Burt's has fewer wheels than Betty's.

	 skateboard	 wagon	 bicycle	 roller skates
 Betty				
 Barney				
 Burt				
 Bonnie				

Match the bears with their favorite toy.

Betty: _____

Barney: _____

Burt: _____

Bonnie: _____







#21 15 points

Bear Breakfast

Name _____

Brittany, Bingo, and Bernadette Bear each ate something different for breakfast.

1. Bernadette Bear did not eat anything made by bees.
2. Bingo did not have cereal with milk.
3. Bernadette's breakfast grew on bushes.

	Honey 	Oatmeal 	Berries 
Brittany 			
Bingo 			
Bernadette 			

Brittany Bear ate _____.

Bingo Bear ate _____.

Bernadette Bear ate _____.

5/11/87




Bears Come to School

NAME _____

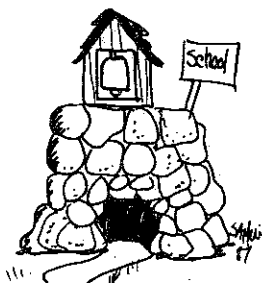
Buddy, Bobo, and Brooke come to school in 3 different ways:
by bus, on foot, or by bicycle.

- Clues:
1. Brooke lives too far from school to walk and does not ride a bike.
 2. Buddy does not ride a bus.
 3. Bobo and his friend ride to school.

Bus  Walk  Bike 

 Bobo			
 Brooke			
 Buddy			

How does each bear get to school?



Name: _____

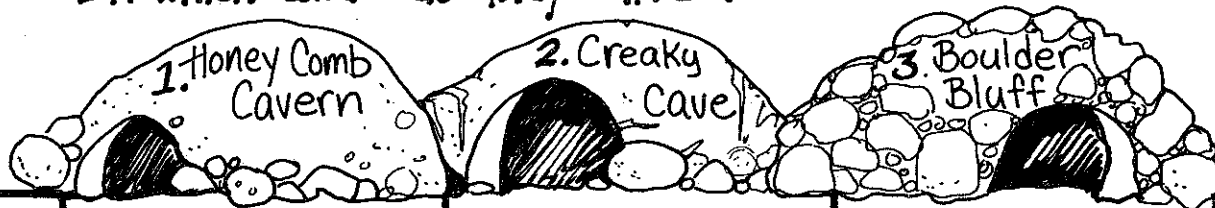
Name: _____

Name: _____

Bear Caves

Name _____

1. Bonnie, Bobby, and Burt all live in different caves.
 2. Bonnie does not live in Creaky Cave.
 3. Bobby does not live in Boulder Bluff.
 4. Burt lives between Bonnie and Bobby.
- In which caves do they live?



Bonnie Bear lives in _____.

Bobby Bear lives in _____.

Burt Bear lives in _____.

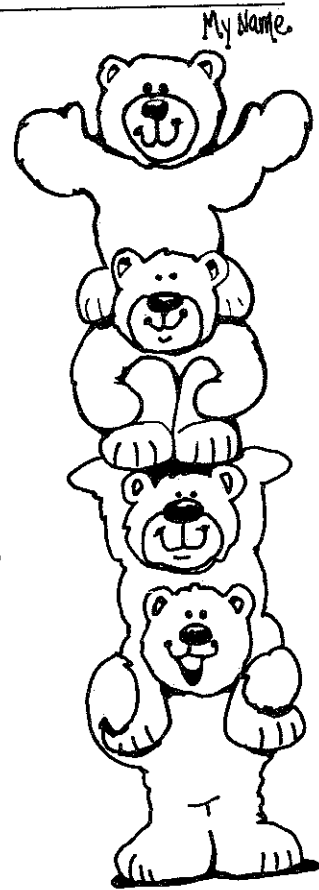
Teddy Bear Totem Pole

Four Teddy Bears thought it would be fun to form a totem pole. Their colors were yellow, blue, red, and green. Here is what they noticed about their finished Teddy Bear Totem Pole.

Clues:

1. The yellow bear was not at the bottom.
2. The blue bear was not between the green bear and the red bear.
3. The green bear was between the yellow bear and the blue bear.
4. The red bear is above the yellow bear.

Build a totem pole that looks like theirs.



Bears Build Again

The four Teddy Bears built another totem pole. Their colors were yellow, blue, red, and green.

Build a totem pole to look like theirs.

Clues:

1. The red bear is somewhere below the green bear.
2. The blue bear is somewhere above the yellow bear.
3. The top bear is not blue.
4. The bear directly below the green bear is red.

Explain why you think your solution is correct.



#25 15 points

These are each part of a 100 square.

Fill in the missing numbers.

1		
	12	

3		
	14	

	2	
		13

	5	
		16

	2		
		13	

4			
		16	

9	
	20

4		6
	15	

	6	
		17
25		

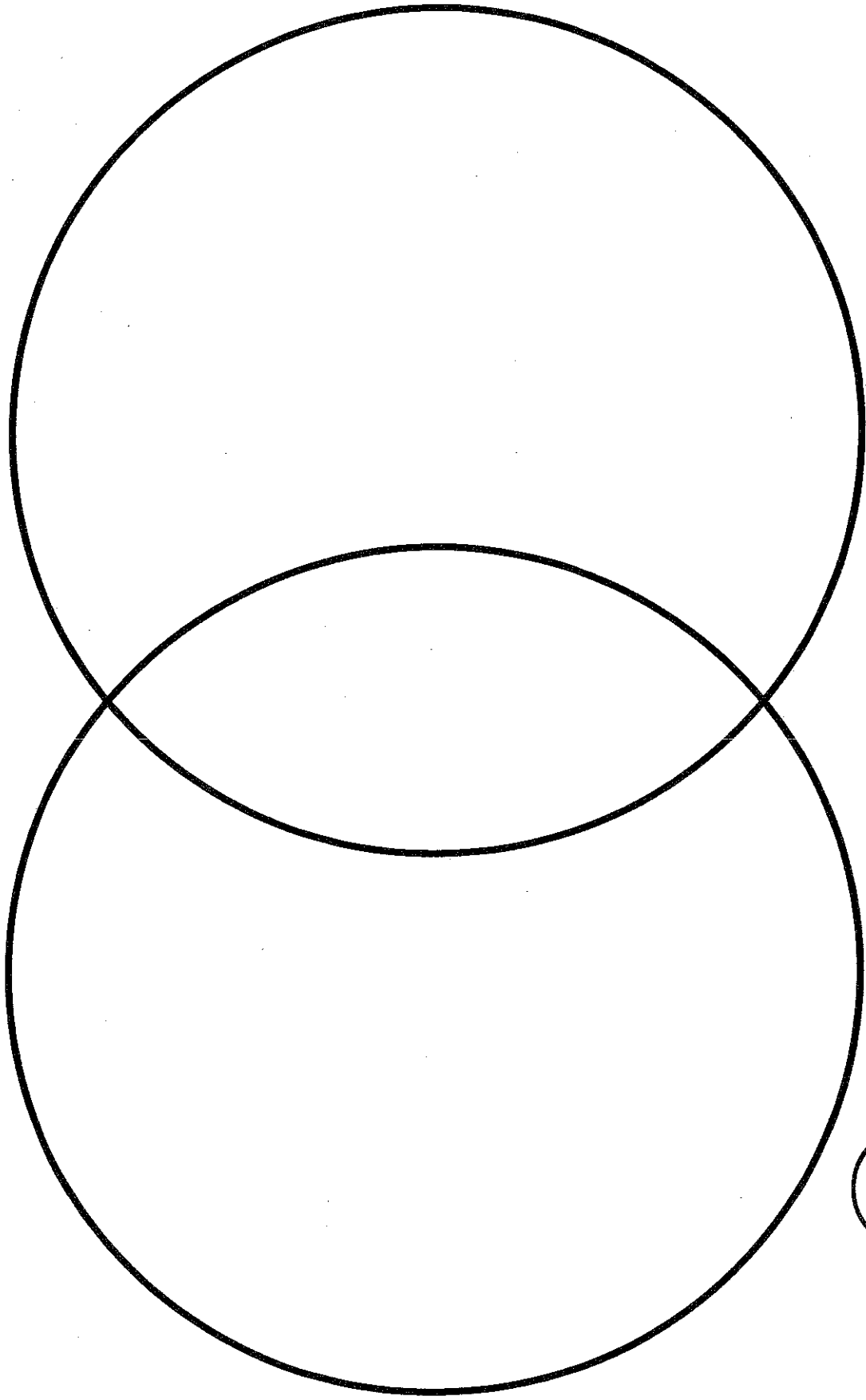
12		
	23	
		34

Draw your own pictures in the Venn diagram below.

Things that are small

Things that are

ROUND



#26 10 points

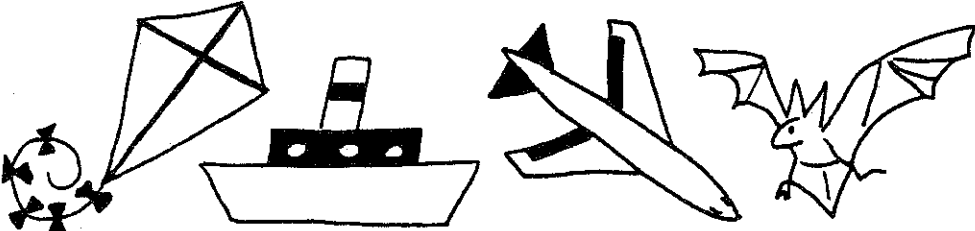
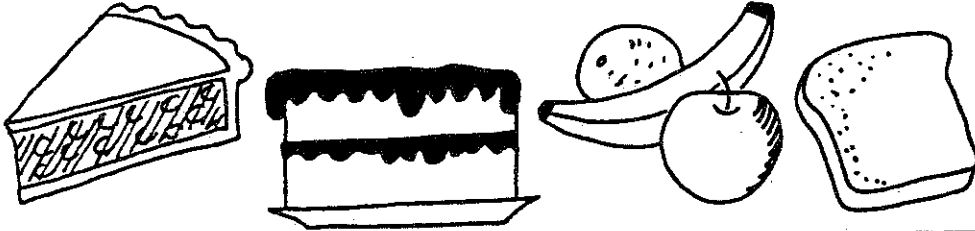
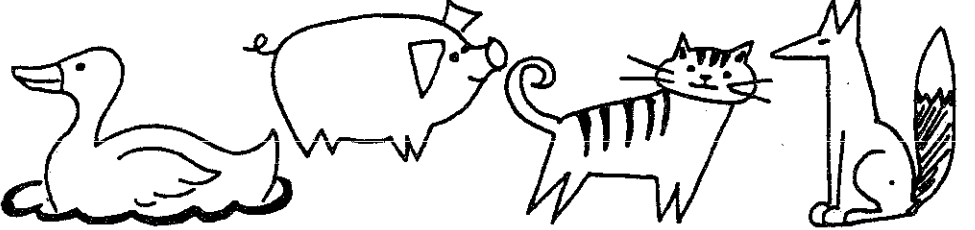

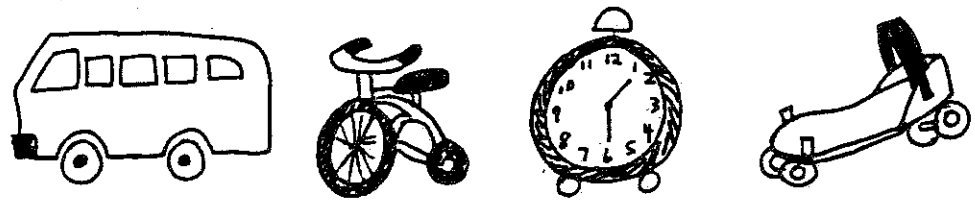
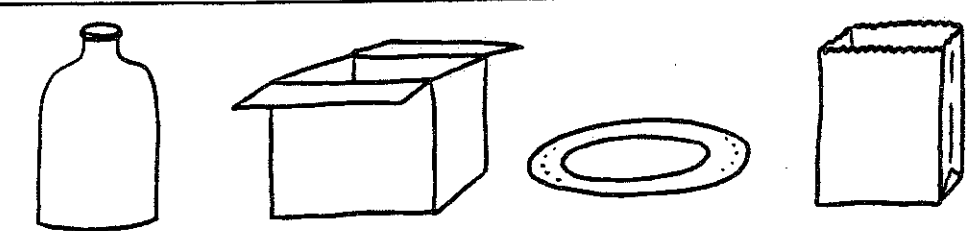
Name _____

USING LOGIC

27 5 points

Which one doesn't belong?

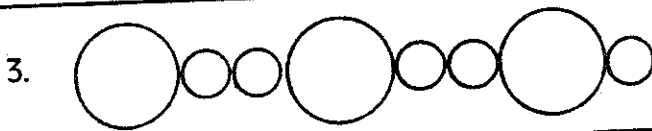
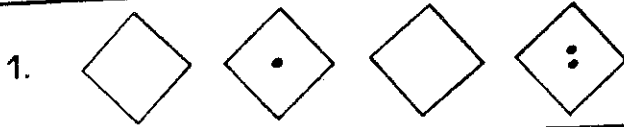
Look at each row of pictures. One does not belong. Cross it out. In the space at the end of each row, tell why the others do belong together.

	Why They Go Together
	
	
	
	
	
	

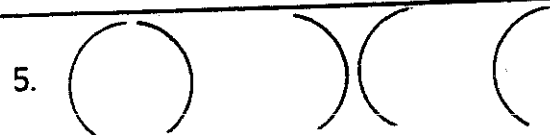
#28 10 points

What comes next?

Look at each row. Find the pattern in each one. What would come next?
Draw it in. Finish each row.



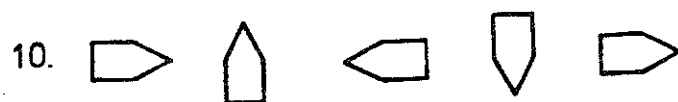
4. 12 10 8 6



6. Thursday Wednesday Tuesday



8. AA1 BA1 CA1



Name _____

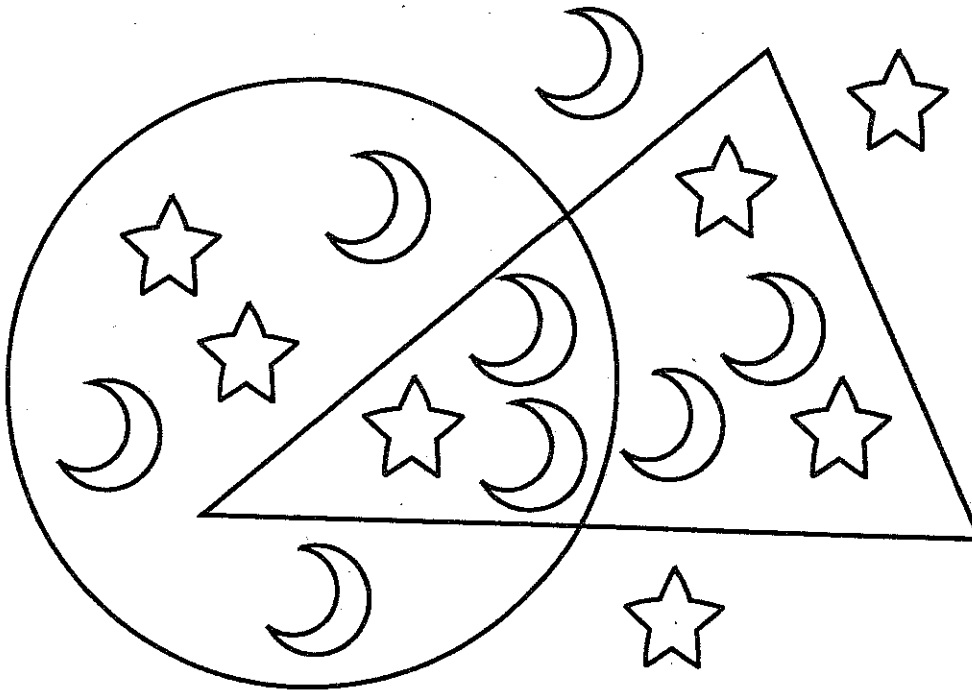
Stars & Moons









29 10 points

USING LOGIC

Look at this picture.

Then answer the questions below.



1. How many  all together? _____
2. How many  in the triangle? _____
3. How many  in both the circle **and** the triangle? _____
4. How many  in the circle only? _____
5. How many  **not** in the circle? _____
6. How many  in all? _____
7. How many  **not** in the triangle? _____
8. How many  in the circle but **not** in the triangle? _____