Learning Resources®

Compare Bears®

COUNTING & NUMBERS
ACTIVITY BOOK

Includes 23 Activities!

SKILLS:

- Identifying Numbers
- Counting to 10 & Higher
- Comparing Numbers
- Ordering Numbers

BASED ON
NCTM
STANDARDS

LER 3155

Printed in China.

Table of Contents

Note to Parents and Teachers

Welcome to this Bear's *Counting and Numbers Activity Book!*
With the large, medium, and small bear counters and counting and numbers
activities, young mathematicians (ages 4 to 7) will:

● Learn how to count and write numerals.
● Identify, create, and extend patterns.
● Sort objects by attribute or property.
● Collect data and analyze the information in simple charts and graphs.
● Ask and answer mathematical questions.

Through performing these mathematical processes, they will be able to:

● See mathematical relationships and make connections.
● Develop number sense and mathematical expression.
● Build bridges between concrete and abstract mathematical thinking.
● Feel successful.
● Have fun!

The Counting and Numbers Activities

The activities in this book range from easy to challenging, and they build upon skill
development and success. Earlier activities ask children to identify number quantities and
match bears to a variety of numbers. Children are also asked to count different amounts
and record them with numerals. Later activities ask children to match, sort, and count
higher numbers of bears. Children will also compare number quantities, group and order
number sets, create and extend number patterns, distinguish more and less, and much
more to develop mathematical thinking.

Materials Needed
● Pencils
● Paper
● Crayons or markers
● Set of 80 bear counters or 4-6 photocopies of page 31, Cutout Bears

How to Use These Activity Pages

The activities in this book can be completed independently, with partners, in small or large groups, or in stations. Their easy-to-read directions set clear expectations for each of the activities. Engaging questions and data collection tools help encourage higher levels of mathematical thinking and expression. Note: On some pages, bears have been labeled with letters to indicate the bear needed (i.e., R for red, B for blue, G for green, and Y for yellow). Make sure children understand this coding system before doing the activities.

More Activity Ideas

Continue the counting and numbers fun with these extension activities. You may also want to create some of your own. Use the bear counters to:

- Fill different-sized jars with bear counters. Have children estimate how many bears are in each jar. Use benchmarks or small amounts (e.g., a handful or small cup) to help. Discuss how estimates are never wrong.

- Count by twos, threes, fives, and tens with the bear counters. Use them to count to 100 on a hundred number grid.

- Make the shapes of the numerals (1, 2, 3, 4, 5, etc.) with the bear counters. Or, draw pictures of the numbers and fill them in with the counters. See how many counters you need to make a 5 or 10, etc.

- Mark every day in a month on a calendar with the bear counters. Use the bears to count out the days of school or the date on the calendar.

- Read books that picture bears. Match the bear counters to each bear that you see. Count them when the books are done.

- Write a number or counting story or song with a bear theme. Have children use the counters while telling the story or singing the song.

- Extend the bear patterns from pages 7 and 28, and have children create and extend their own patterns. In the classroom, have children trade so they can extend each other's patterns. Ask them to label their patterns with letters (R for red, B for blue, etc.).

- Discuss the counting and numbers results with your children. Ask them questions like: "What do you notice?" or "How do you know that?" Have them record their answers and thinking strategies in a special counting and numbers journal.

Name: _____

BEARS BY THE NUMBERS

Match the same number of bears to the numbers shown below.

5 9

8 2
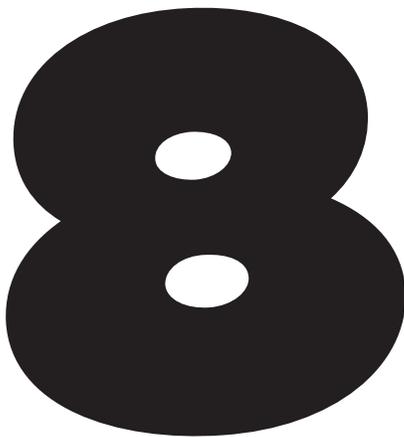
Write the number you like best on another sheet of paper.
Match the same number of bears to your number.

Name: _____

MORE BEARS, PLEASE!

Match the same number of small bears to the number in each boat.
Then, look at each pair of boats. Which boat has more bears? Circle it.

1.

6   **7**

2.

5   **4**

3.

1   **3**

Counting and Numbers Activity Book

Name: _____

Activity 3
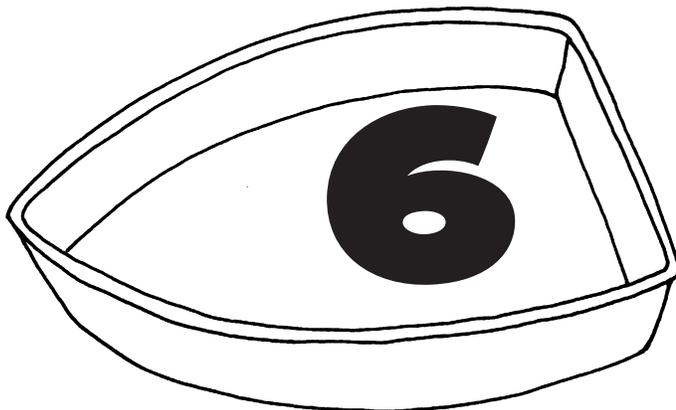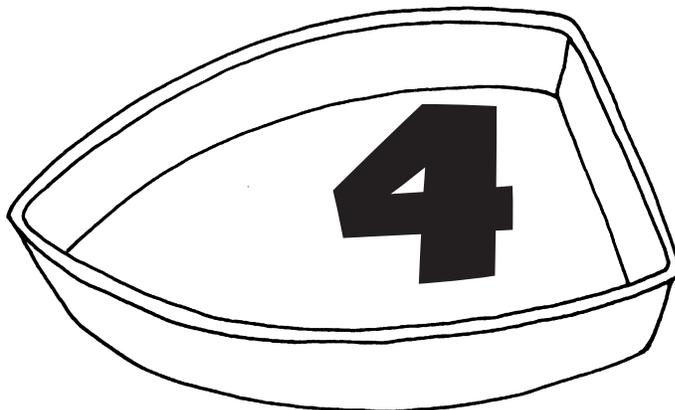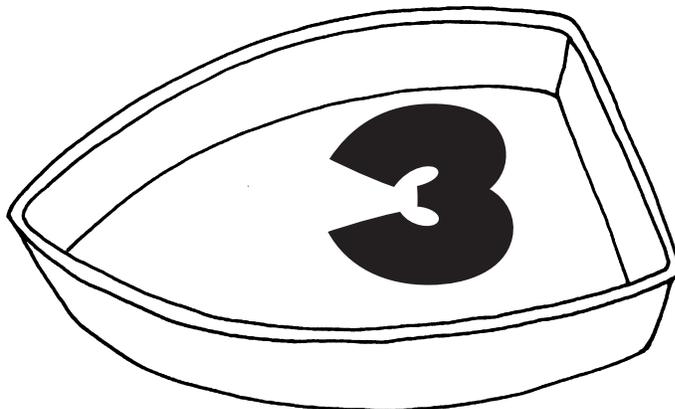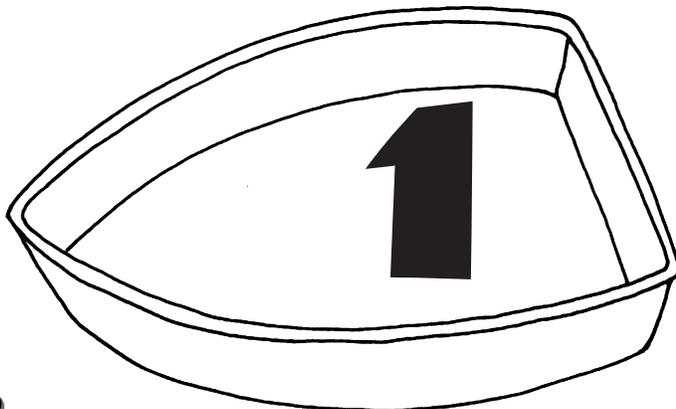
RAINBOW QUILT

The medium bear is making a quilt for the small bear's bed.
Use your bears to finish the pattern she started.

How many of each bear did you use?

Blue: _____   Yellow: _____   Red: _____   Green: _____
_____

Name: _____

MEDIUM BEARS AND SMALL BEARS

Look at the number next to each medium bear.
Match that many small bears to the medium bear.
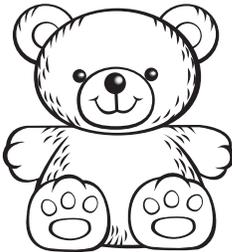
1.   **3**
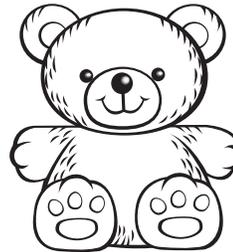
3.   **5**
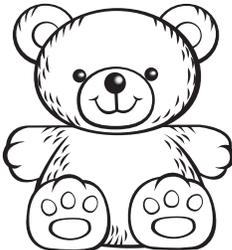
2.   **4**
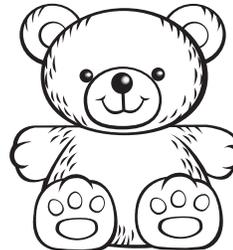
4.   **6**

Which medium bear has the most small bears?_____

Which medium bear has the fewest small bears?_____

Match 1 large bear to each group of medium and small bears.
How many bears are in each family now?

1. _____   2. _____   3. _____

Look at the number on each tree. Put that many bears on the tree.

6

2
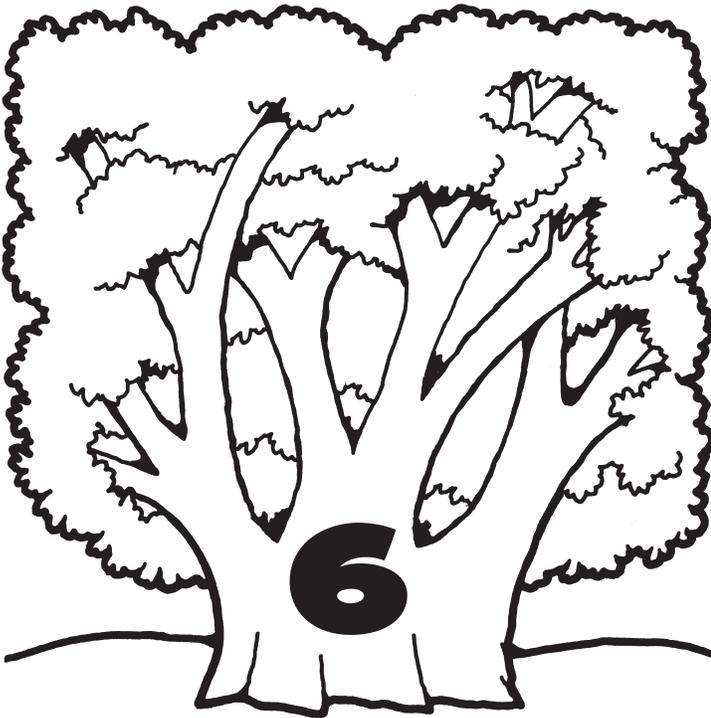
1. How many bears are in each tree? _____   _____

2. Which tree has more bears? _____

3. Which tree has fewer bears? _____

4. How many bears are there in all? _____

BEAR HOPSCOTCH

Use your bears to play hopscotch. Hop each bear from 1 to 10 and then from 10 to 1.

	10	
	9	
6	**7**	**8**
	5	
2	**3**	**4**
	1	
	START	
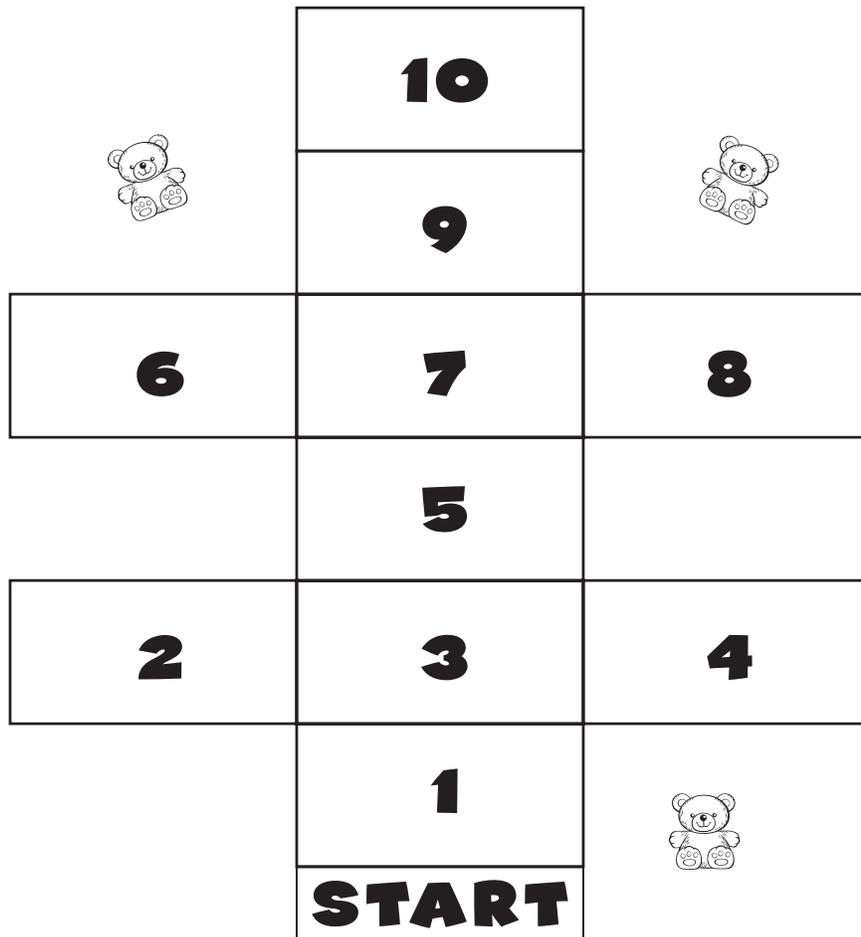
Make the red bear hop only on the even numbers. Write the even numbers below.

_____   _____   _____   _____   _____

Make the blue bear hop only on the odd numbers. Write the odd numbers below.

_____   _____   _____   _____   _____

Name: _____

Activity
7

BUS STOP BEARS

How many bears are waiting for the bus? Match your bears to the bears below and count them.
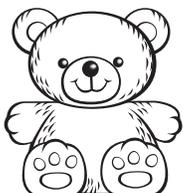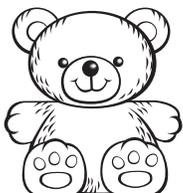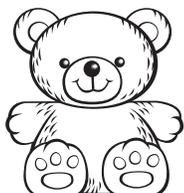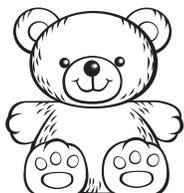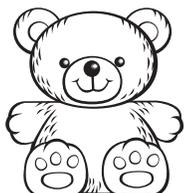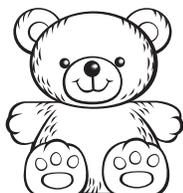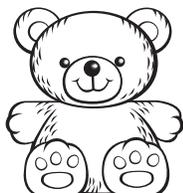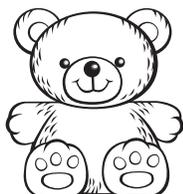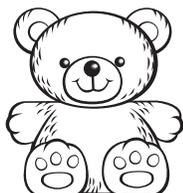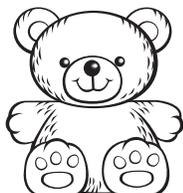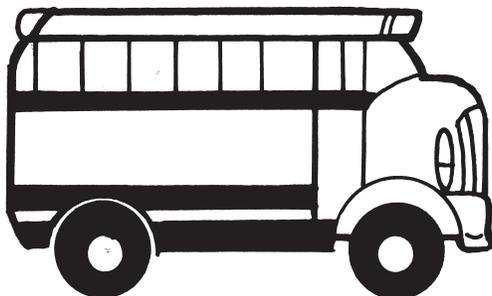
1. _____   2. _____   3. _____   4. _____

Name: _____

# BEAR PICNIC

Match large, medium, and small bears to the bears on the blankets.
Then, count the number of bears on each blanket.

1.
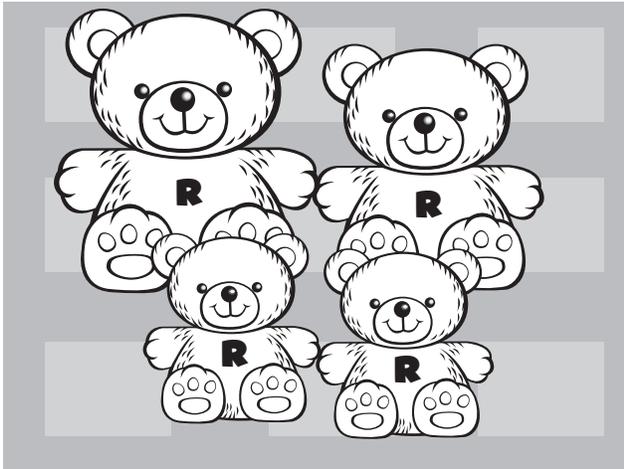
3.
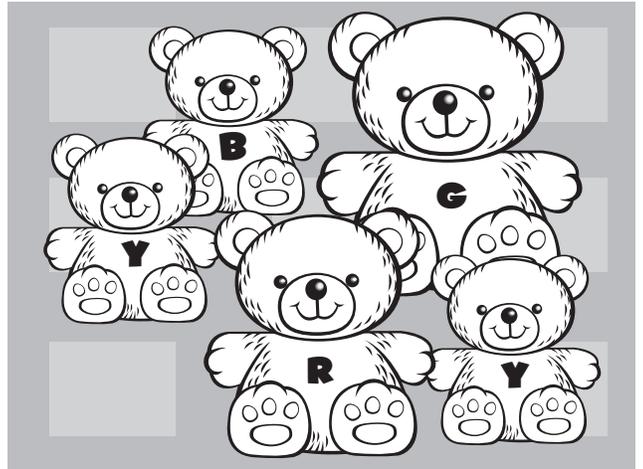
2.
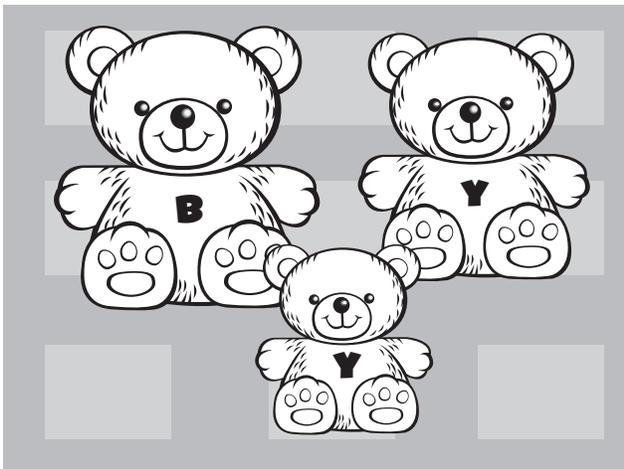
4.
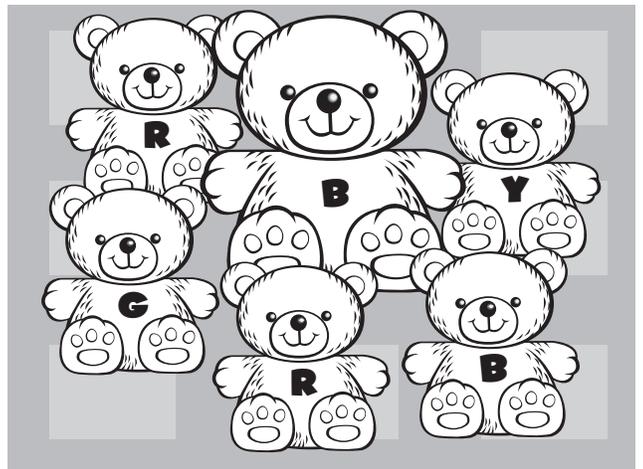
Blanket Number	Number of Bears
1	‖‖ = 4
2	
3	
4	

BEARS' SOCCER

The bears need 4 equal teams. Sort 3 bears into each team.
Place the teams in the soccer balls below.

1

2

3

4

1. How many bears in all did you put in the soccer balls? _____

    Count by 3's to get your answer. _____

2. Sort the bears from above into 2 equal, or same size, teams.

    How many bears will be on each team now? _____

**Name:** _____

HONEY BEARS

Look at the number on each honey pot. Match that many bears around each honey pot.

Some Families had their pictures taken. Match what to share bears with each Monkey pot.
bears to the family pictures below.

3
B

5
Y

4
G

6
R
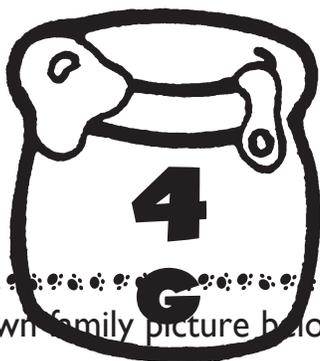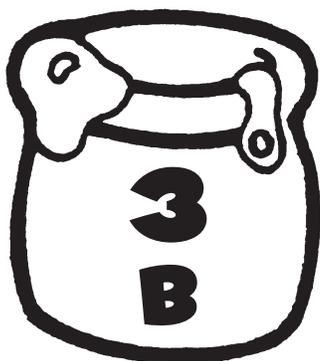
Draw your own family picture below. Match bears to your picture.

Which group of bears would you like to share honey with?

Why? _____

_____

_____

_____

SWING YOUR PARTNER

Dance Families had their pictures taken. They want to share them with you. Match your
bears to the family pictures below.
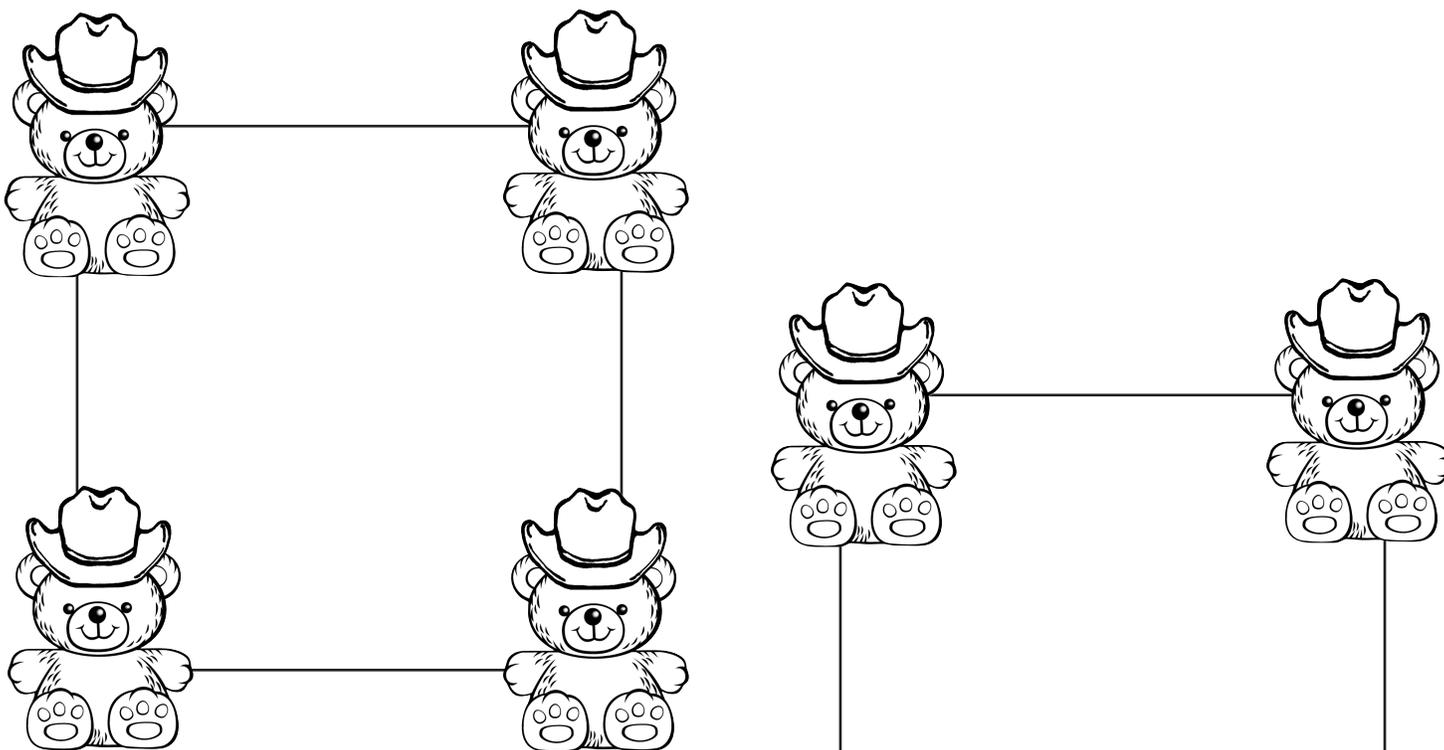
Draw your own family picture below. Match bears

How many bears are dancing in each group? _____   _____

How many bears are dancing in all? _____

How many bears did you need? _____

Name: _____

BEAR SORTING CIRCLES

Sort 2 handfuls of bears, one small and one large. Match your bears to the family pictures below. Tally the numbers of bears on the next page.

Large Bears

Small Bears

Family Reunion
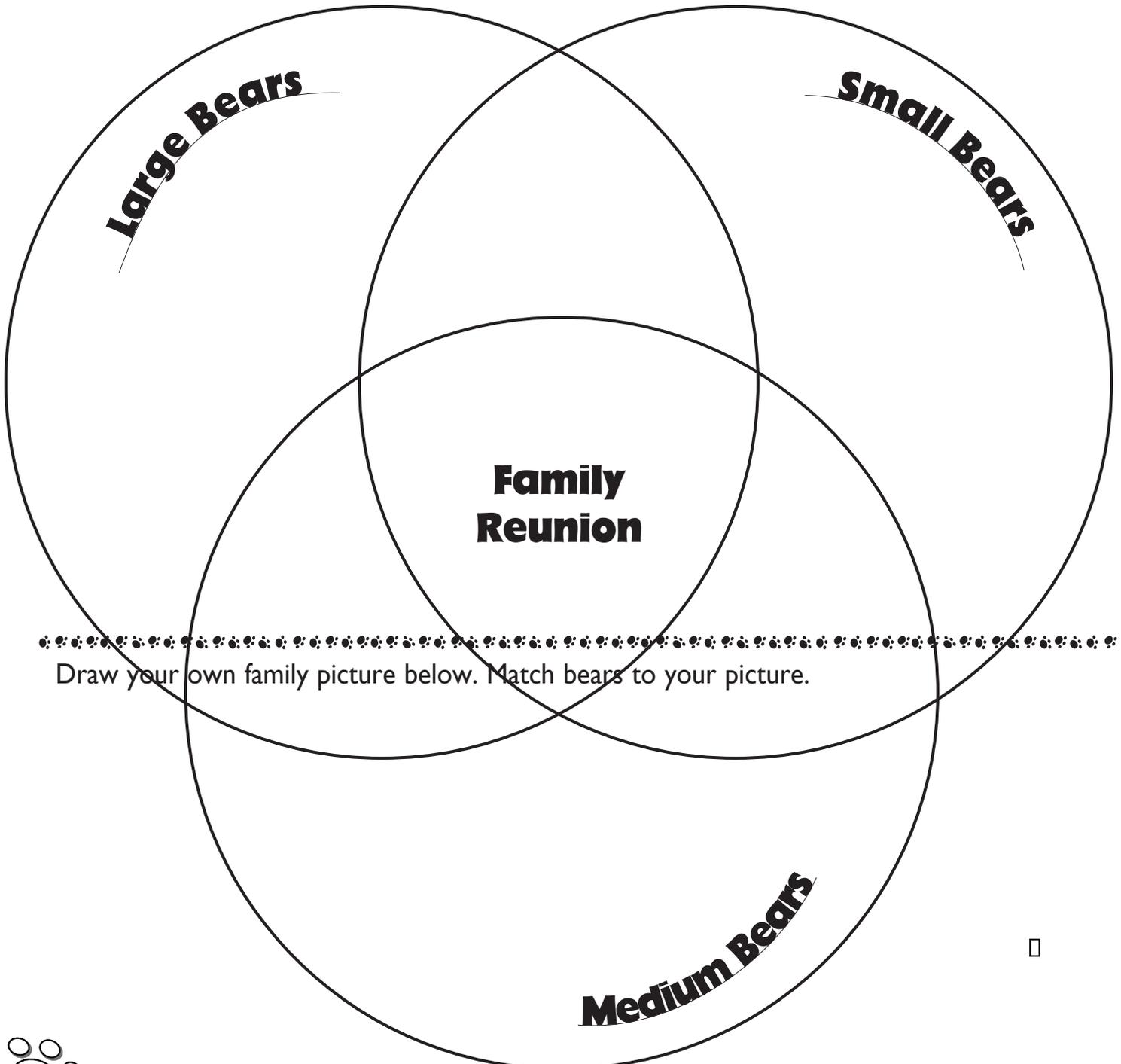
Draw your own family picture below. Match bears to your picture.

Medium Bears

Name: _____

BEAR FAMILY REUNION

Some Families had their pictures taken! They want to share them with you. Match your bears to the family pictures below.

	Number of Medium Bears	**Number of Large Bears**	**Number of Small Bears**	**Number of Families**
Tally Marks (IIII)				
Number (5)				

How many medium bears did you sort? _____

How many large bears did you sort? _____

How many small bears did you sort? _____

Draw your own family picture below. Match bears to your picture.

Now, sort your bears into families. Sort 1 medium bear, 1 large bear, and 1 small bear together to make 1 family.

How many bear families do you have? _____

Name: _____

BEAR FAMILY PORTRAIT

Match families, medium, and small bears to their bears in the painting. with you. Match your bears to the family pictures below.

How many large bears are in the painting? _____

How many medium bears are there? _____

How many small bears are there? _____

How many bears are there in all? _____
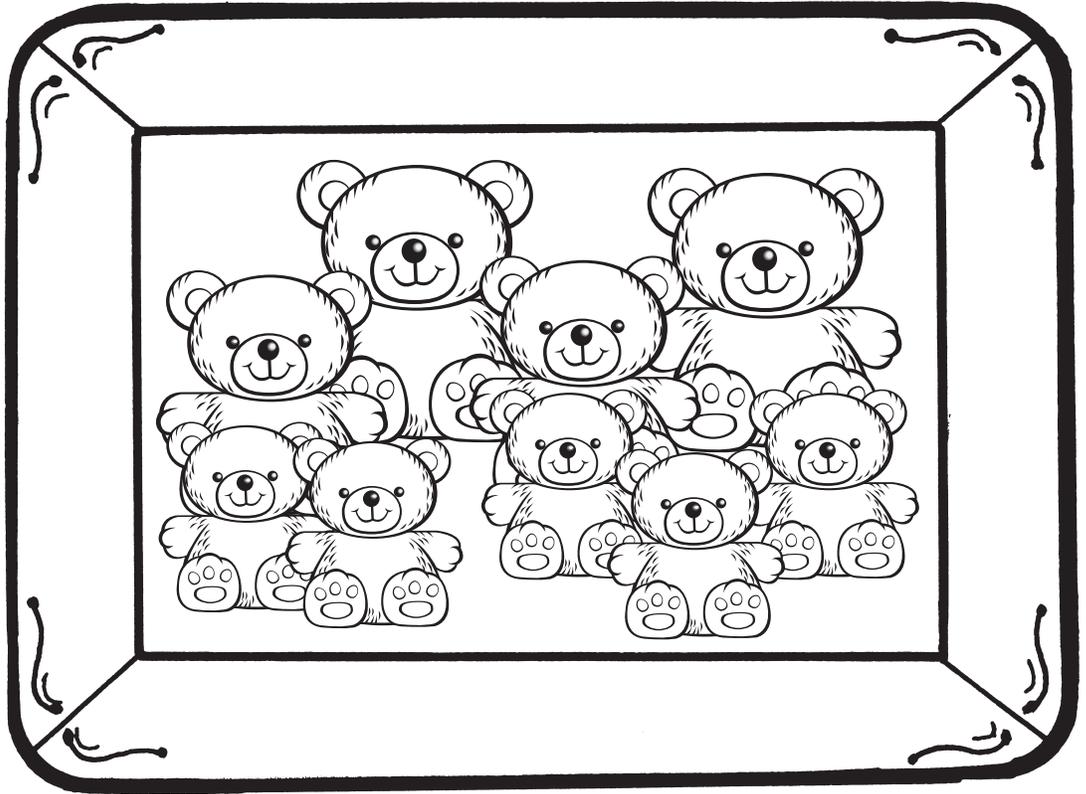
Draw your own family painting to the right. Include your parents, brothers, sisters, aunts, uncles, cousins, and grandparents, too!

Draw your own family picture below. Match bears to your picture.

How many family members does your painting have? _____

Do you have more or fewer family members than the painting above? _____

How many more or fewer? _____

SCHOOL IS COOL

Activity

Mrs. Brown has a BIG class of bears! They want to share them with you. Match your bears to the family pictures below.

Row 1

Row 2

Row 3

1. How many bears are in Mrs. Brown's class? _____

Draw your own family picture below. Match bears to your picture.

2. How many bears are in each row? _____

3. If Mrs. Brown put the bears into pairs
   (2s), how many pairs would there be? _____

4. How many of each bear did you use?

   Red: _____   Blue: _____   Yellow: _____   Green: _____

Name: _____

GIVE ME A "B-E-A-R!"

Help the bears spell B-E-A-R! Match your bears to the bears in the letters.
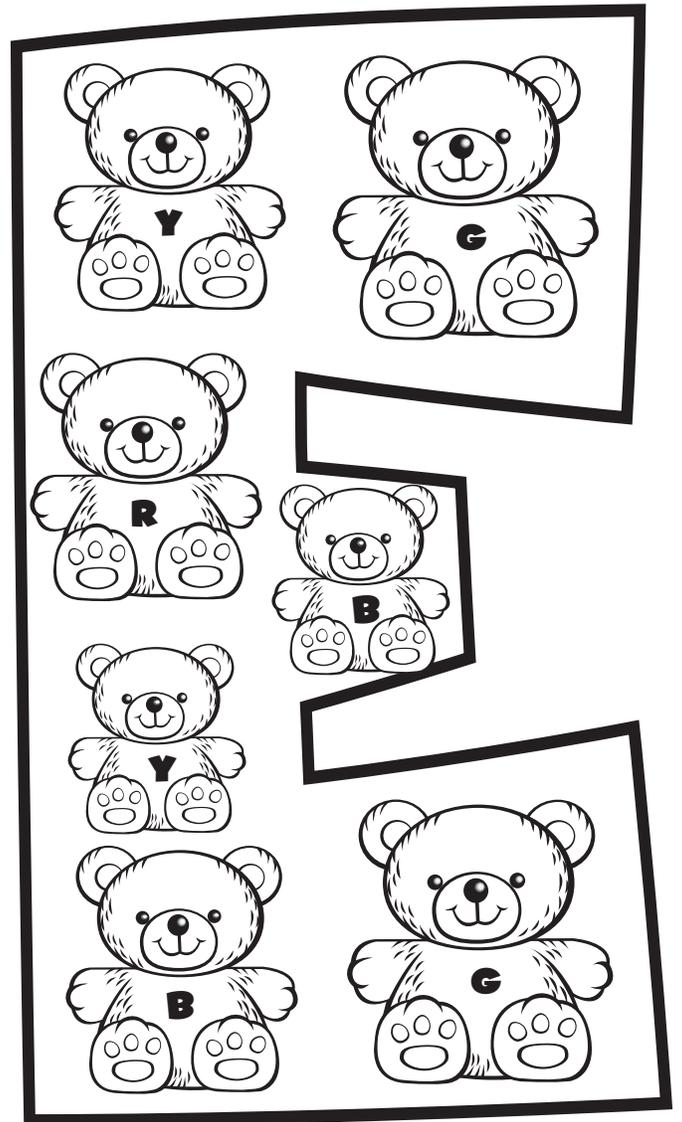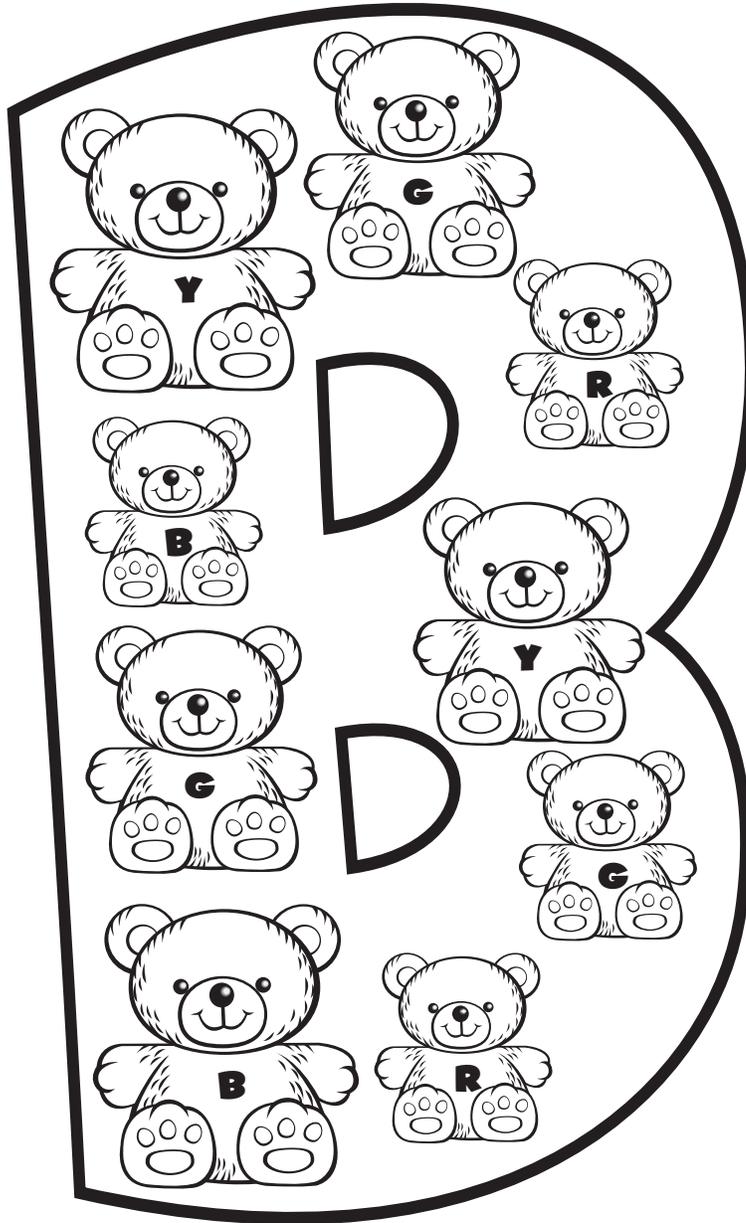
1. Count the number of red, blue, green, and yellow bears in B-E-A-R!

Red: _____   Blue: _____   Green: _____   Yellow: _____

Name: _____

GIVE ME A "B-E-A-R!"
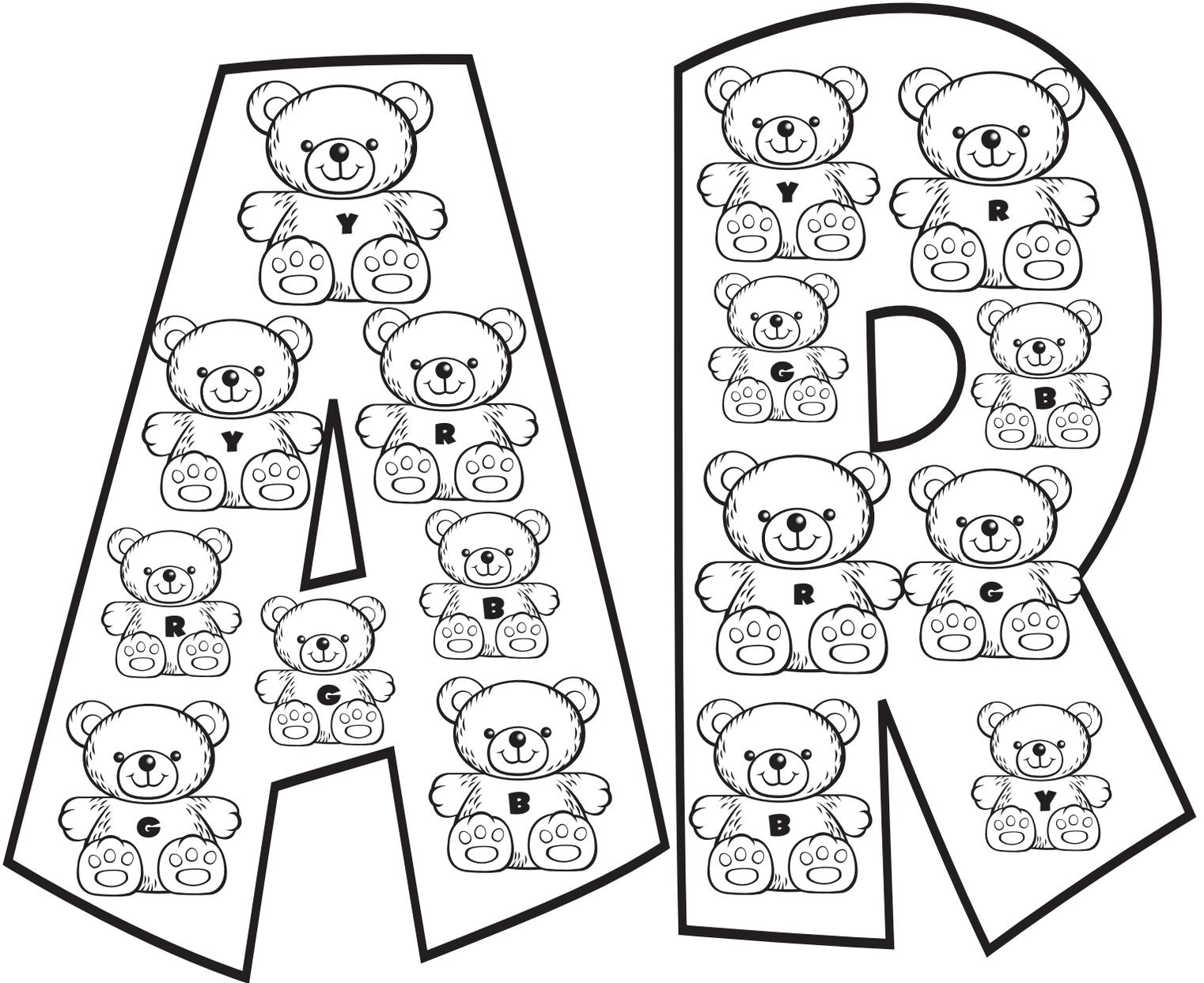
2. Count the number of large, medium, and small bears in B-E-A-R!

medium bears: _____   large bears: _____   small bears: _____

GO, TEAM!

Match bears to each team. Count the players, and write the number of players on each team.

TEAM 1

1. How many bears are on Team 1? _____

TEAM 2
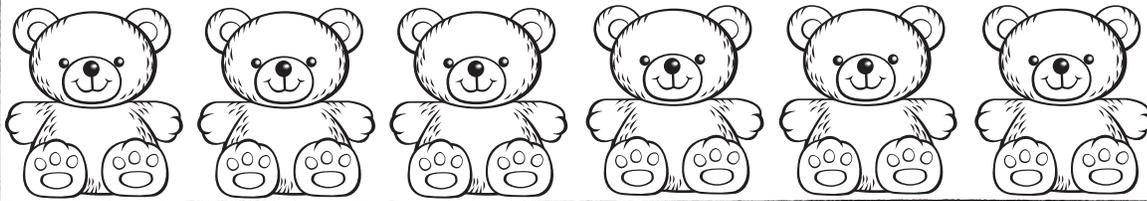
2. How many bears are on Team 2? _____

3. Which team has the most players? _____   4. Which team has the fewest players?

Each team needs 9 players. How many more bears does each team need to have 9 players?

Team 1 _____   Team 2 _____

HAPPY BIRTHDAY!

It's a birthday party! Match 1 bear to each plate.

DAVID

ROBERT

SASHA

CARLOS

CRISTINA

LATA

PATRICIA

NADIA

1. How many bears came to the party? _____

2. Look at the names on the plates.
   How many girl bears came to the party? _____

3. How many boy bears came to the party? _____

BEAR VILLAGE

How many bears live in each house?
Look at the number on each house and put that number of bears inside.

HONEY LANE

2   5   7

PAW PARKWAY

8   1   9
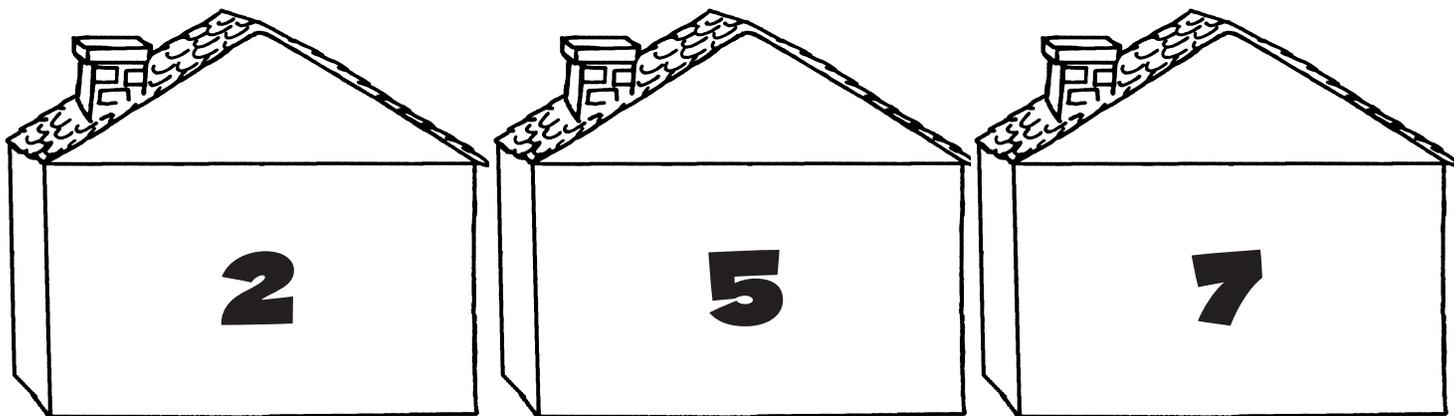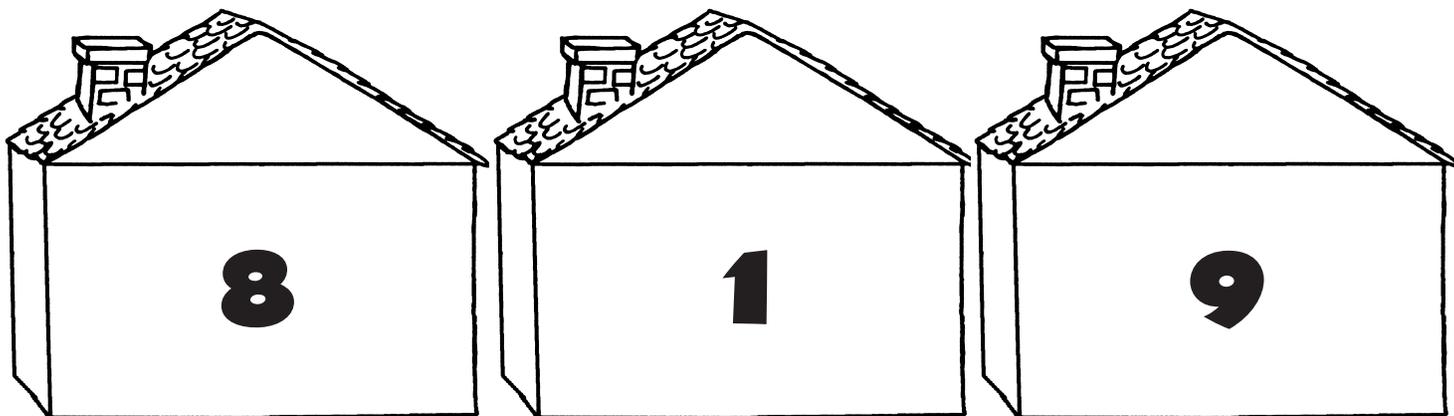
1. How many bears live on Honey Lane? _____

2. How many bears live on Paw Parkway? _____

3. How many bears live on both streets? _____

BEARS GET IN SHAPE

Fill the shapes below with bears. How many bears did you use to fill each shape?
Write that number next to the shape.

TRIANGLE
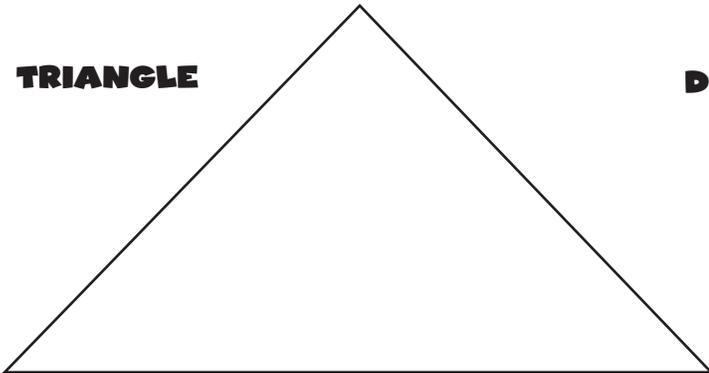
DIAMOND
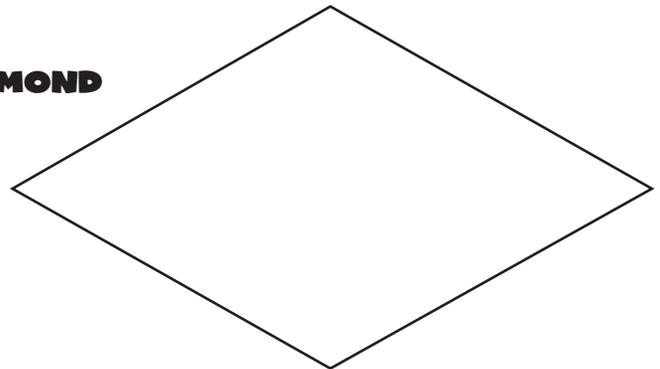
CIRCLE

RECTANGLE
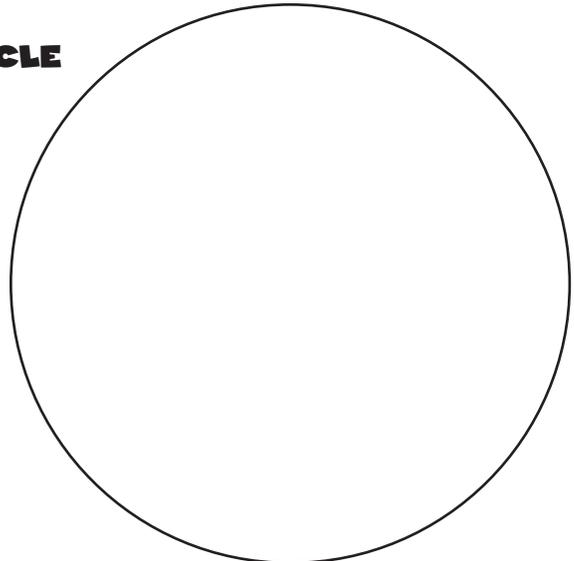
How many bears did you use to fill the triangle? _____

How many bears did you use to fill the circle? _____

Which shape holds the most bears? _____

LET'S PLAY!

Place the right number of bears on the playground. How many bears are playing in each spot? Show that number in tally marks on the chart.

2

3
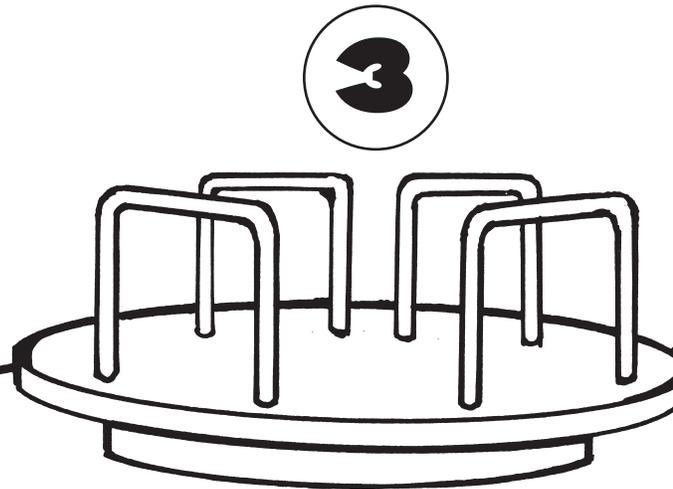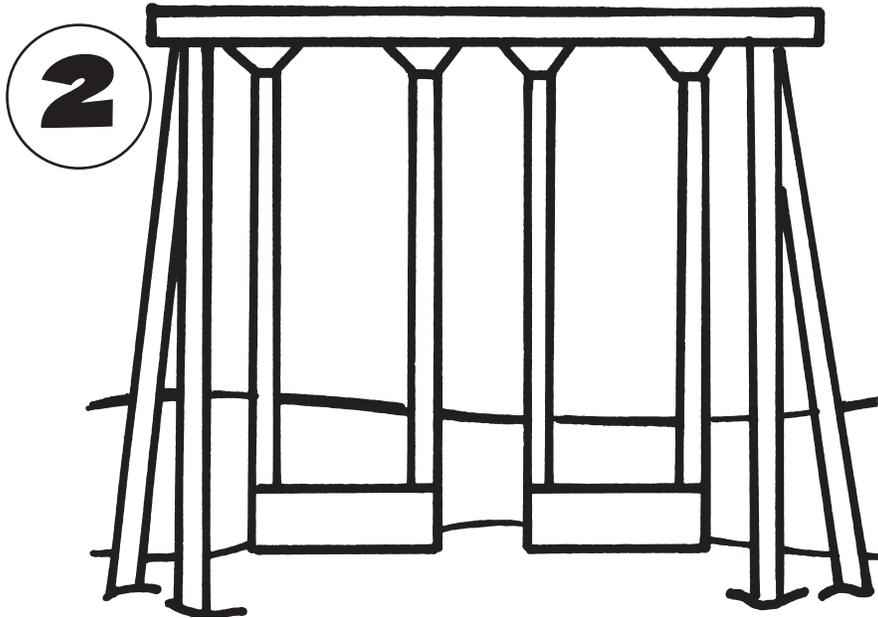
| EQUIPMENT	NUMBER OF BEARS
Swings	||
Merry-go-round	
Sandbox	
Tree house	
Slide	
Seesaw	

4

Activity

5

2

3
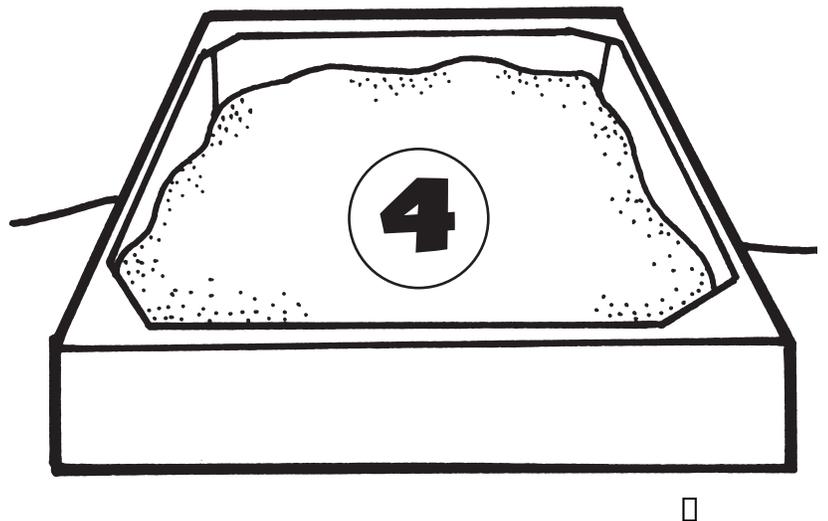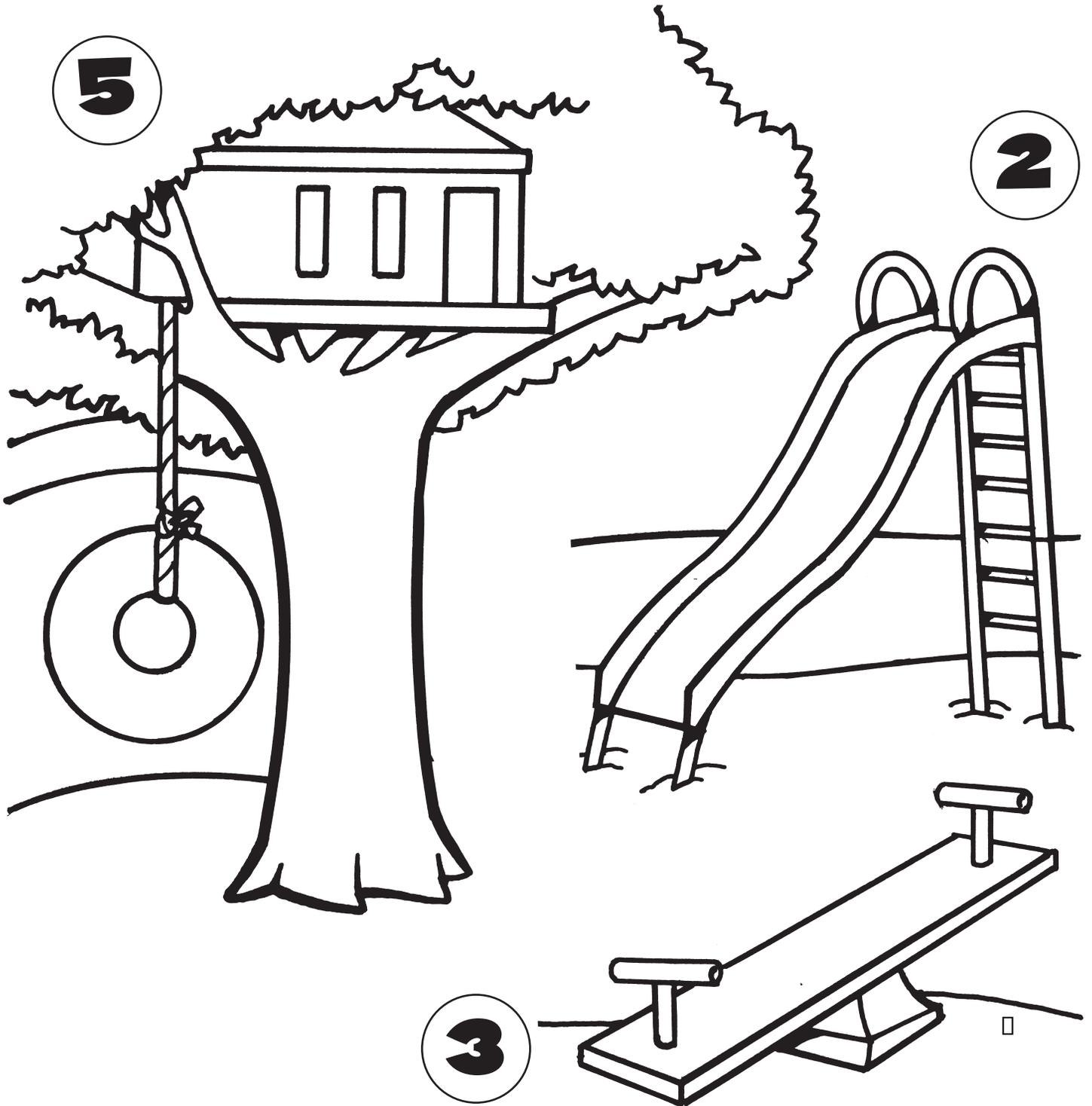
DO IT AGAIN!

• Match bears to this pattern. Do it again with two more bears.

R   G   R   G ...
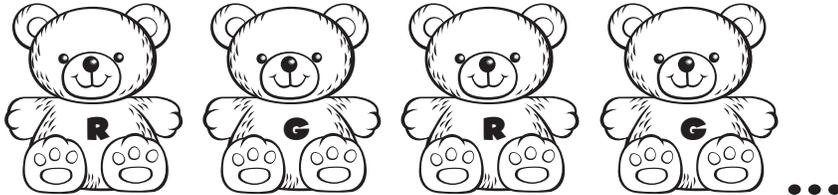
1. How many red bears did you use? _____

2. How many green bears did you use? _____

• Match bears to this pattern. Which two bears will come next?

Y   B   G   Y ...
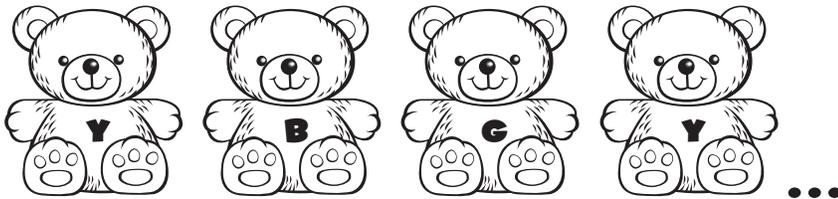
3. How many yellow bears did you use? _____

4. How many blue bears did you use? _____

• Match bears to this pattern. Which two bears will come next?

B   G   R   B ...
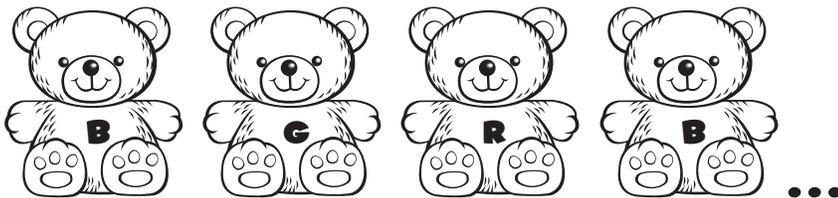
5. How many blue bears did you use? _____

6. How many green bears did you use? _____

Name: _____

A-OK BEARS?

Pick 5 bears. Is each bear A-OK? Make sure each bear has 1 nose, 1 mouth, 2 eyes, 2 ears, 4 paws, and 6 toes.

Write your results and check A-OK if the bear has all of its parts.
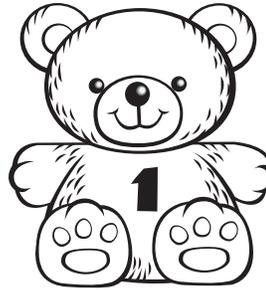
✓ **A-OK!**

BEAR	NUMBER OF NOSES	NUMBER OF MOUTHS	NUMBER OF EYES	NUMBER OF EARS	NUMBER OF PAWS	NUMBER OF TOES	A-OK
1	1	1	2	2	4	6	✓
2							
3							
4							
5							
TOTALS							

COUNT ON THE BEARS!

Activity

Use all of your bears. Place them on a tabletop or large space.
Then, count the bears in different ways:
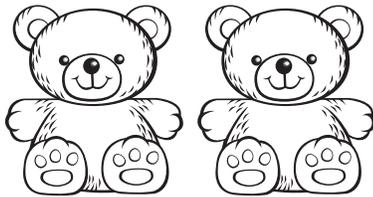
• Count by 2s

1. How many groups of 2 did you count? _____

• Count by 5s

2. How many groups of 5 did you count? _____
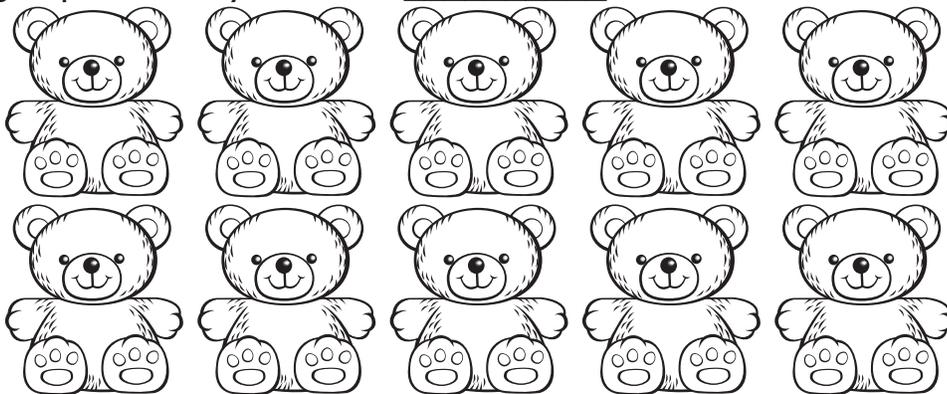
• Count by 10s

3. How many groups of 10 did you count? _____

4. Which way was the fastest way to count? _____

5. Which way was the slowest way to count? _____

6. Which way did you like the best? _____

CUTOUT BEARS
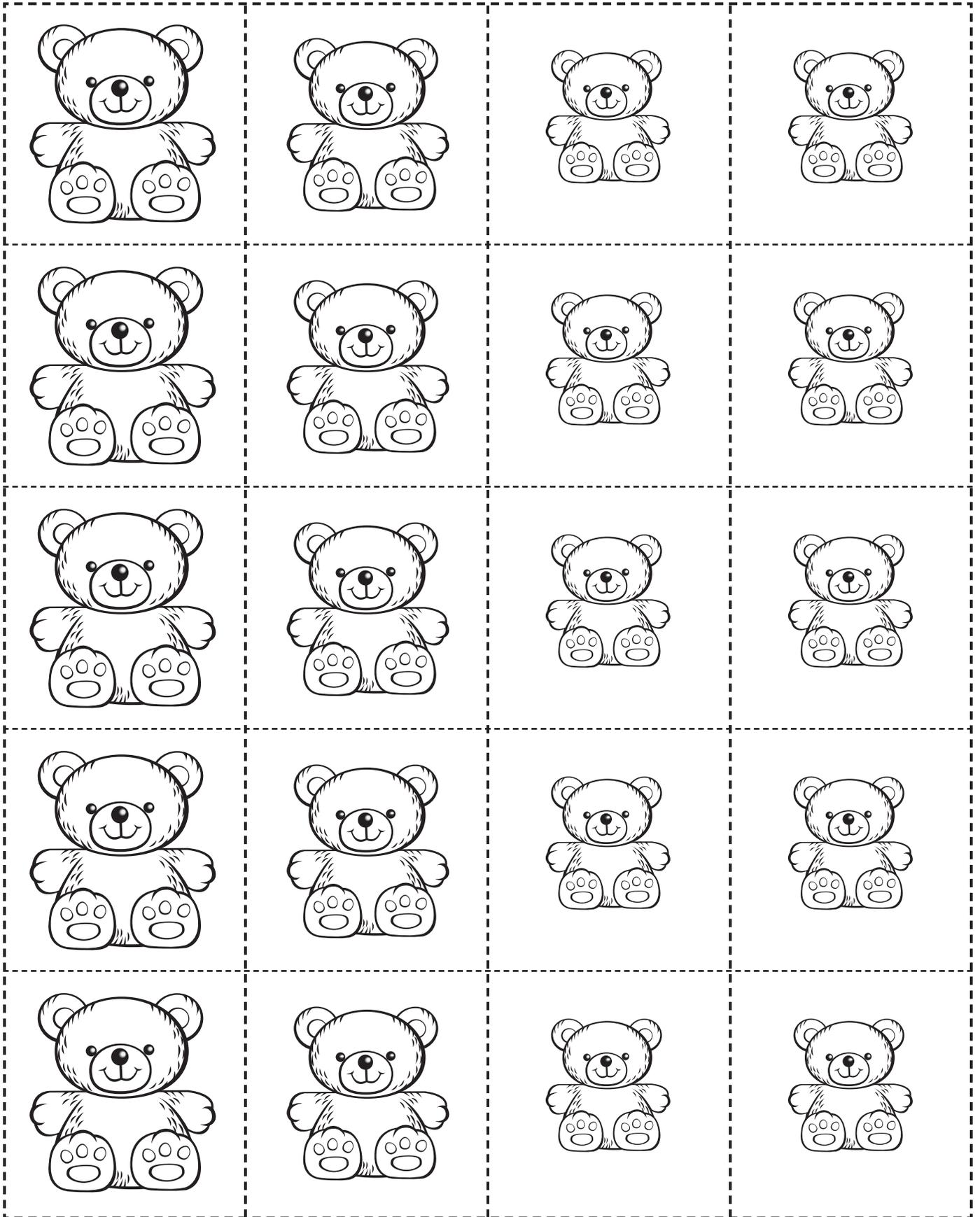
Answer Key

p. 6   1. 7   2. 5   3. 3

p. 7   1. 6 blue bears, 6 yellow bears, 6 red bears, 6 green bears

p. 8   1. 4 bears   2. 5 bears   3. 6 bears   4. 7 bears

p. 9   1. 6, 2   2. tree with 6   3. tree with 2   4. 8 bears

p. 10   1. 2, 4, 6, 8, 10   2. 1, 3, 5, 7, 9

p. 11   1. 5 bears   2. 4 bears   3. 3 bears   4. 4 bears

p. 12   1. 4 bears   2. 3 bears   3. 5 bears   4. 6 bears

p. 13   1. 20 bears   2. 10 bears

p. 15   1. 8 bears   2. 16 bears   3. 8 medium bears

p. 18   1. 2 large bears   2. 2 medium bears   3. 5 small bears   4. 9 bears in
all

p. 19   1. 12 bears   2. 4 bears in each row   3. 6 pairs
                4. 5 red bears, 2 blue bears, 1 green bear, 4 yellow bears

p. 20-21 1. 7 red bears, 7 blue bears, 9 green bears, 8 yellow bears
                2. 7 large bears, 13 medium bears, 11 small bears

p. 22   1. 5   2. 6   3. Team 2   4. Team 1   5. 4, 3

p. 23   1. 8   2. 3   3. 5

p. 24   1. 14   2. 18   3. 32

p. 28   1. 4   2. 4   3. 2   4. 4   5. 2   6. 2

Counting and Numbers Activity Book