School-Home Letter

Dear Family,

My class started Chapter 10 this week. In this chapter, I will show data with tally charts and graphs. I will also ask and answer questions about the charts and graphs.

Love, _____

Vocabulary

bar graph a graph that uses bars to show information

picture graph a graph that uses pictures to show information

tally chart a chart that uses tally marks to record information

tally mark a line that stands for one person or thing

Home Activity

Help your child keep track of the weather on a calendar for a week or longer. Then help your child use the data to make a picture graph. Use the graph to compare the number of days that were sunny, cloudy, and rainy.

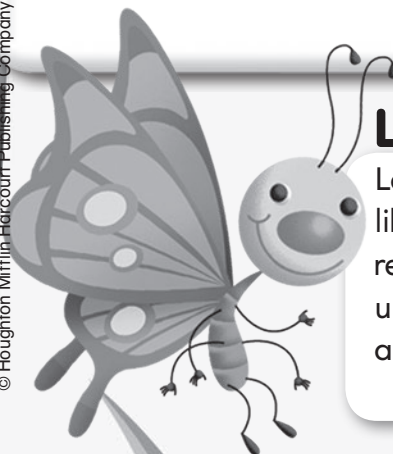| Weather This Week							
sunny	○	○	○	○			
cloudy	○	○	○				
rainy	○						

Each ○ stands for 1 day.

Literature

Look for these books in a library. These books will reinforce your child's understanding of data and graphs.

The Great Graph Contest by Loreen Leedy. Holiday House, 2006.

Graphing Favorite Things by Jennifer Marrewa. Weekly Reader® Books, 2008.

Carta
para la casa

Querida familia:

Mi clase comenzó el Capítulo 10 esta semana. En este capítulo, mostraré datos con tablas de conteo y gráficas. También haré y responderé preguntas sobre tablas y gráficas.

Con cariño, _____

Vocabulario

gráfica de barras una gráfica que utiliza barras para mostrar información

pictografía una gráfica que utiliza dibujos para mostrar información

tabla de conteo una tabla que utiliza marcas para registrar información

marca de conteo una línea que representa una persona o una cosa

Actividad para la casa

Ayude a su hijo para que siga el clima usando un calendario durante una semana o más. Luego ayude a su hijo para que use los datos para hacer una pictografía. Usen la gráfica para comparar el número de días soleados, nublados y lluviosos.

Las condiciones del tiempo durante esta semana							
soleado	○	○	○	○			
nublado	○	○	○				
lluvioso	○						

Cada ○ representa 1 diá.

Literatura

Busque estos libros en una biblioteca. Estos libros reforzarán el aprendizaje de su hijo sobre datos y gráficas.

The Great Graph Contest por Loreen Leedy. Holiday House, 2006.

Graphing Favorite Things por Jennifer Marrewa. Weekly Reader® Books, 2008. Albert Whitman and Company, 1993.

Read Picture Graphs

COMMON CORE STANDARD—1.MD.4
Represent and interpret data.

Our Favorite Outdoor Activity								
🚲 biking	☺	☺	☺	☺	☺	☺	☺	☺
🛹 skating	☺	☺						
🏃 running	☺	☺	☺	☺				

Each ☺ stands for 1 child.

Use the picture graph to answer the question.

1. How many children chose 🚲?

_____ children

2. How many children chose 🛹 and 🏃 altogether?

_____ children

3. Which activity did the most children choose? Circle.

🚲   🛹   🏃

Problem Solving — Real World

Write a number sentence to solve the problem.
Use the picture graph at the top of the page.

4. How many more children chose 🚲 than 🏃?

_____ more children

____ ◯ ____ ◯ ____

Lesson Check (1.MD.4)

Use the picture graph to answer the question.

Do you do chores at home?								
yes	☺	☺	☺	☺	☺	☺	☺	☺
no	☺	☺	☺	☺	☺	☺		
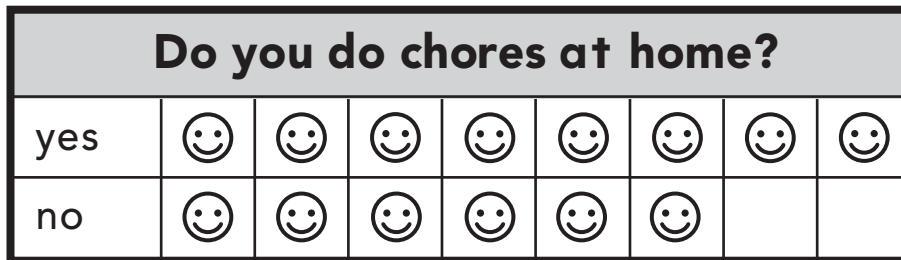
Each ☺ stands for 1 child.

1. How many children do chores at home?
Write the number.

_____ children

2. How many more children answered yes
than no? Write a number sentence to
solve the problem.

_____ more children   _____ ◯ _____ ◯ _____

Spiral Review (1.NBT.1, 1.NBT.5)

3. What number is ten less than 82?
Circle the number. Then write the
number sentence.

92   83   81   72

_____ – 10   _____

4. Count forward. What number is missing?
Write the number.

110, 111, 112, _____, 114

Name _____

Make Picture Graphs

COMMON CORE STANDARD—1.MD.4
Represent and interpret data.

**Which dinosaur do the most children like best? Ask 10 friends.
Draw 1 circle for each child's answer.**

Our Favorite Dinosaur										
Tyrannosaurus										
Triceratops										
Apatosaurus										

Each ○ stands for 1 child.

Use the picture graph to answer the question.

1. How many children
chose 🦖 ?

_____ children

2. How many children chose
🦕 and 🦕 altogether?

_____ children

3. Which dinosaur did the
fewest children choose?
Circle.

🦖 🦕 🦕

4. Which dinosaur did the
most children choose?
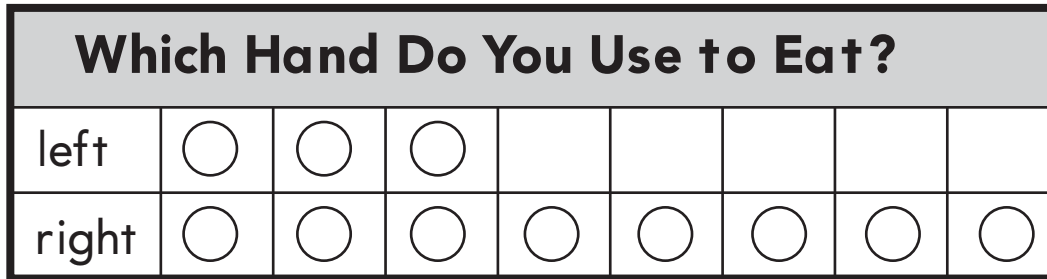Circle.

🦖 🦕 🦕

Problem Solving Real World

5. Write your own question about the graph.

_____
_____
_____

Lesson Check (1.MD.4)

Use the picture graph to answer the question.

Which Hand Do You Use to Eat?								
left	○	○	○					
right	○	○	○	○	○	○	○	○

Each ○ stands for 1 child.

1. How many children use their right hand?
   Write the answer.

   _____ children

2. How many more children use their right
   hand than their left? Write a number
   sentence to solve the problem.

   _____ more children   ___ ○ ___ ○ ___

Spiral Review (1.OA.6 , 1.NBT.6)

3. Write is the sum.

$$6 + 3 = \underline{}$$

4. Write the difference. Write how many tens.

$$60 - 20 = \underline{}$$

   _____ tens

Name _____

Read Bar Graphs

COMMON CORE STANDARD—1.MD.4
Represent and interpret data.

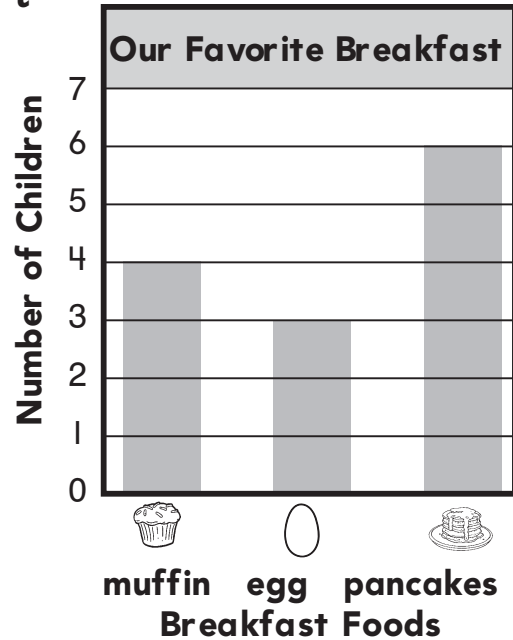## Use the bar graph to answer the question.

1. How many children chose ◯?

_____ children

Our Favorite Breakfast

Number of Children			
7			
6			▓
5			▓
4	▓		▓
3	▓	▓	▓
2	▓	▓	▓
1	▓	▓	▓
0			

muffin   egg   pancakes
Breakfast Foods

2. How many children chose 🧁?

_____ children

3. How many children chose 🧁 or ◯?

_____ children

4. How many more children chose 🥞 than ◯?

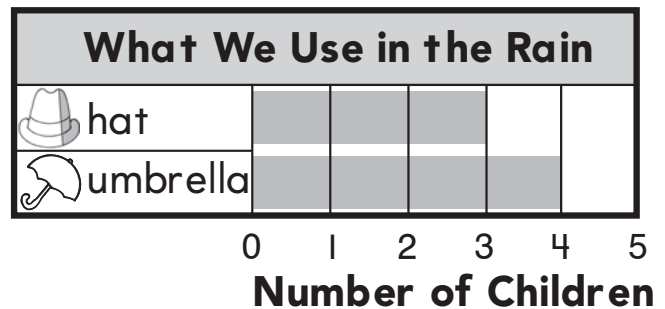_____ more children

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Problem Solving *Real World*

Use the bar graph to answer the question.

5. Claudette uses an ☂. Add her to the graph. Now how many more children use an ☂ than a 🎩?
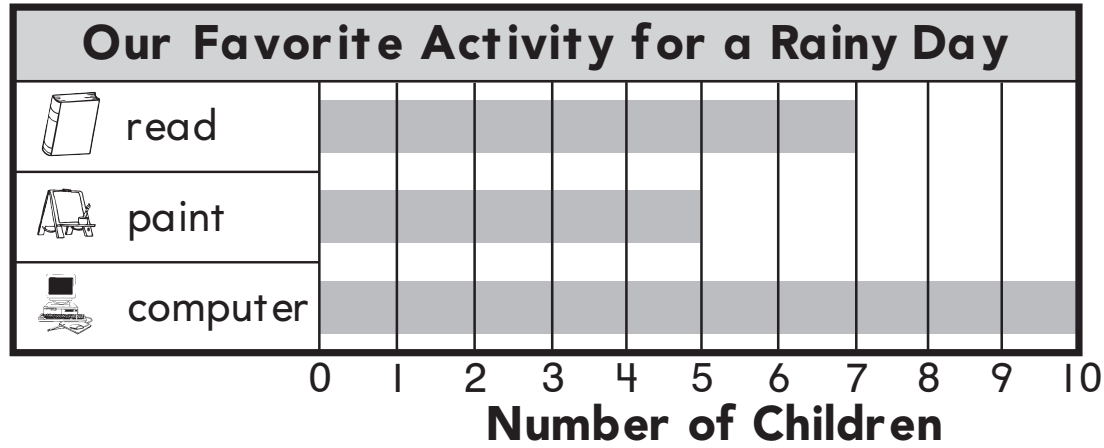
_____ more children

Rain Gear

What We Use in the Rain					
🎩 hat	▓	▓	▓		
☂ umbrella	▓	▓	▓	▓	
	0	1	2	3	4	5

Number of Children

Lesson Check (1.MD.4)

Use the bar graph to answer the question.

Kinds of Activities

Our Favorite Activity for a Rainy Day										
📖 read										
🖼 paint										
💻 computer										

0 1 2 3 4 5 6 7 8 9 10
Number of Children

1. How many more children chose 💻 than 🖼?

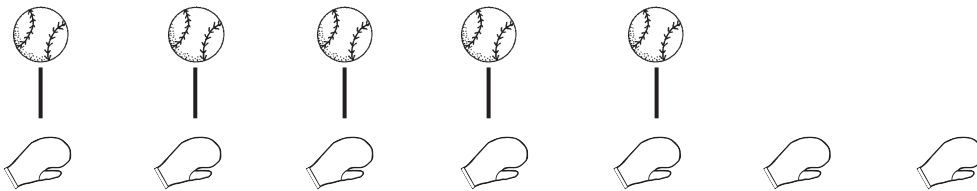_____ more children

··

Spiral Review (1.OA.4, 1.OA.8)

2. Write a subtraction sentence you can
solve by using $9 + 7 = 16$.

____ – ____ = ____

··

3. How many fewer ⚾ are there ?
Subtract to compare.
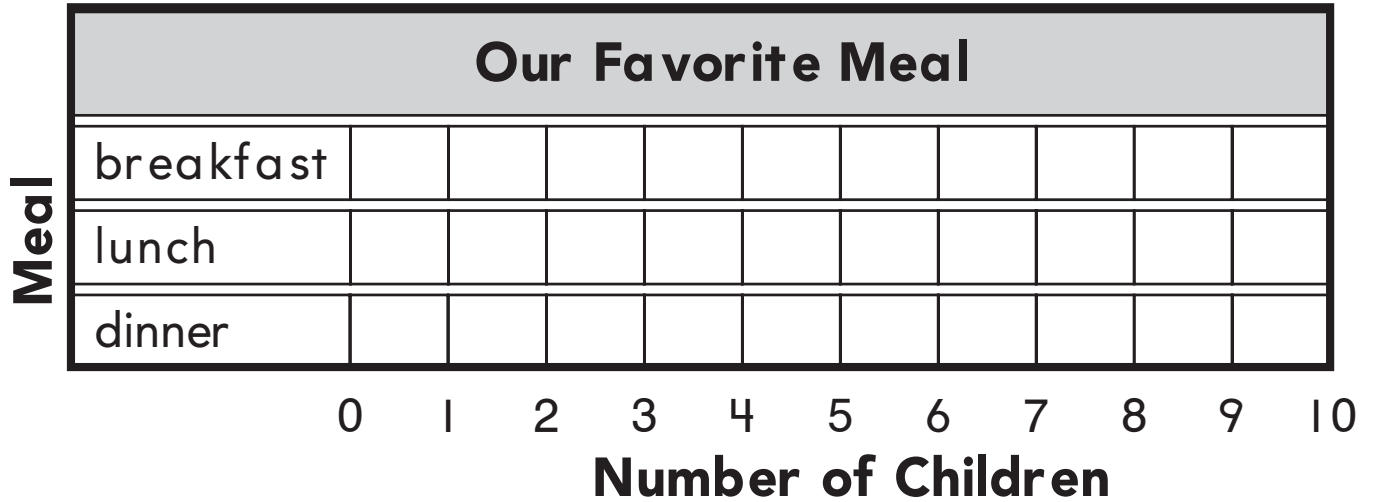
$7 - 5 =$ ____

____ fewer

Make Bar Graphs

COMMON CORE STANDARD—1.MD.4
Represent and interpret data.

Which is your favorite meal?
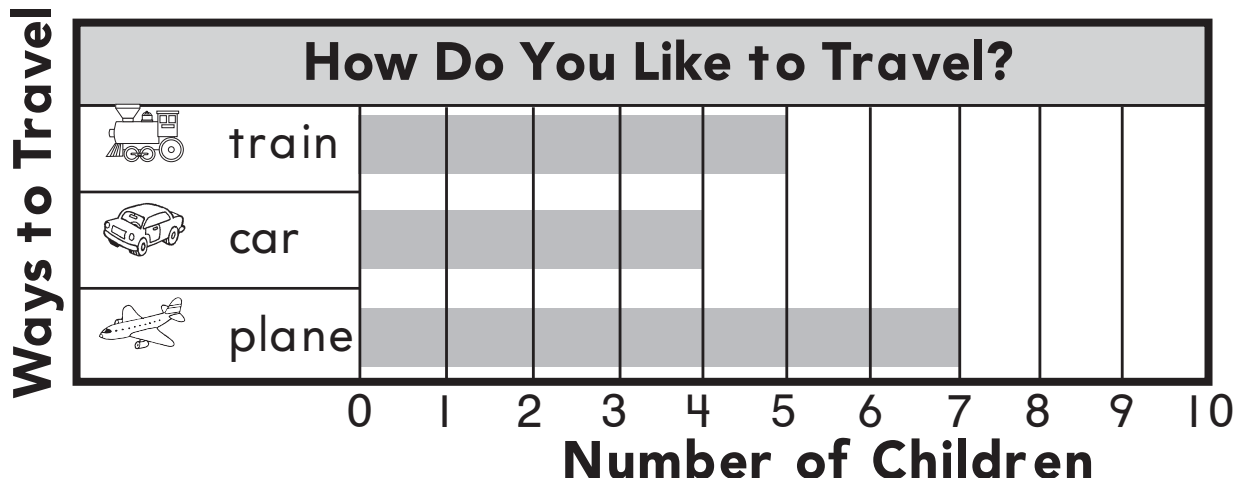
1. Ask 10 friends which meal they like best.
Make a bar graph.

Our Favorite Meal

Meal	0	1	2	3	4	5	6	7	8	9	10
breakfast											
lunch											
dinner											

Number of Children

2. How many children chose breakfast?

_____ children

3. Which meal was chosen by the most children?

_____

Problem Solving *Real World*

4. What if 10 children chose breakfast?
How many children could choose lunch or dinner?

_____ children

Lesson Check (1.MD.4)

Use the bar graph to answer the question.

Ways to Travel

How Do You Like to Travel?											

How Do You Like to Travel?

train

car

plane

0 1 2 3 4 5 6 7 8 9 10

Number of Children

1. How many more children chose ✈ than 🚂?

_____ more children

. . . .

Spiral Review (1.OA.6, 1.NBT.4)

2. Write the number sentence that
completes the related facts.

$$7 + 8 = 15 \qquad 15 - 8 = 7$$
$$8 + 7 = 15$$

$$\boxed{} - \boxed{} = \boxed{}$$

. . . .

3. What is the sum? Use tens
and ones to add.

$$\begin{array}{r} 43 \\ + 21 \\ \hline \end{array}$$

4 tens + 3 ones

2 tens + 1 one

_____

____ tens + ____ ones

____ + ____ = ____

Read Tally Charts

Complete the tally chart.

Our Favorite Vegetable		Total
beans	IIII	
corn	卌 III	
carrots	卌	

Use the tally chart to answer each question.

1. How many children chose 🥕 ? ___ children

2. How many children chose 🫛 ? ___ children

3. How many more children chose 🌽 than 🥕 ? ___ more children

4. Which vegetable did the most children choose? Circle.

Problem Solving Real World

Complete each sentence about the tally chart.
Write **greater than**, **less than**, or **equal to**.

5. The number of children who chose 🫛 is

___ the number who chose 🥕 .

6. The number of children who chose 🌽 is

___ the number who chose 🫛 .

Lesson Check (1.MD.4)

Use the tally chart to answer each question.

Our Favorite Pet		
🐕 dog	𝍷𝍷𝍷𝍷𝍷 𝍷𝍷
🐈 cat	𝍷𝍷𝍷𝍷𝍷
🐟 fish	𝍷𝍷

1. How many children chose 🐈 ?

   _____ children

2. How many more children chose 🐕 than 🐟 ?

   _____ more children

Spiral Review (1.OA.1, 1.NBT.4)

3. Complete the number sentence.

   There are 8 apples.
   6 apples are red.
   The rest are green.
   How many apples are green?

   $\underline{\hphantom{8}8\hphantom{8}} \ominus \underline{\hphantom{6}6\hphantom{6}} \equiv \underline{\hspace{1cm}}$

4. Write the sum.

   $34 + 40 = \underline{\hspace{1cm}}$

Make Tally Charts

Which color do most children like best? Ask 10 friends. Make 1 tally mark for each child's answer.

Favorite Color		Total
red		
blue		

1. How many children chose red?

_____ **children**

2. How many children chose blue?

_____ **children**

3. Circle the color that was chosen by fewer children.

red   blue

Problem Solving Real World

Jason asked 10 friends to choose their favorite game. He will ask 10 more children.

Our Favorite Game	
tag	I
kickball	⊥⊥⊥⊥ II
hopscotch	II

4. Predict. Which game will children most likely choose?

_____

5. Predict. Which game will children least likely choose?

_____

Lesson Check (1.MD.4)

1. Which insect did the most children choose?
Circle the answer.

Our Favorite Insect		Total
🐞 ladybug	III	3
🐝 bee	I	I
🦋 butterfly	⊞⊞ II	7

Spiral Review (1.NBT.2b, 1.NBT.3)

2. Circle the number that is greater than 54.
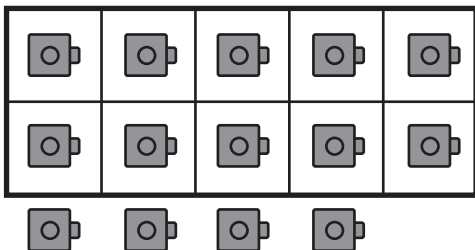Write the numbers.

45　　　　　50　　　　　54　　　　　57

_____ is greater than 54.

_____ > 54

3. Use the model. Write the number
three different ways.

_____ ten _____ ones

_____ + _____

_____

Problem Solving • Represent Data

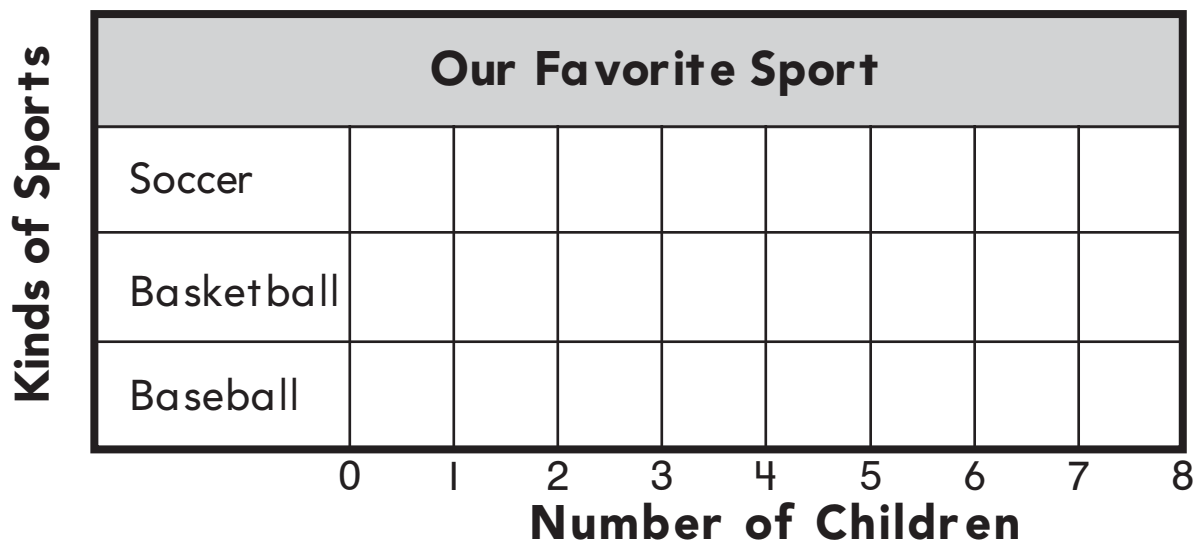Bella made a tally chart to show the favorite sport of 10 friends.

Our Favorite Sport	
Soccer	ЦШ I
Basketball	III
Baseball	I

Use the tally chart to make a bar graph.

Kinds of Sports

Our Favorite Sport								
Soccer								
Basketball								
Baseball								

0 1 2 3 4 5 6 7 8
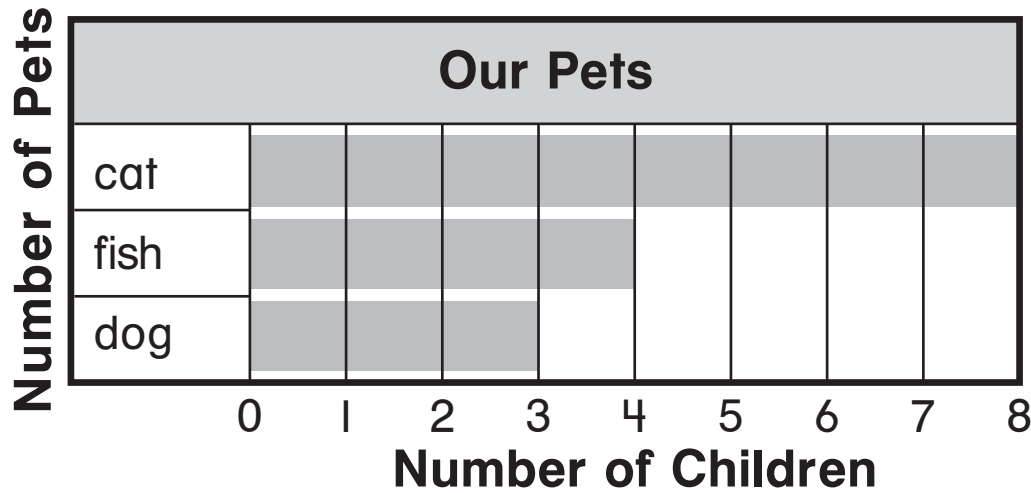**Number of Children**

Use the graph to solve.

1. How many friends chose soccer?

    ____ friends

2. How many friends chose soccer or basketball?

    ____ friends
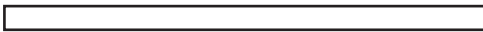
Lesson Check (1.MD.4)

Our Pets									
cat									
fish									
dog									
	0	1	2	3	4	5	6	7	8

Number of Pets

Number of Children

1. Use the graph. How many more children
have fish than a dog?

_____ more

- -

Spiral Review (1.MD.1, 1.MD.3)

2. Which ribbon is the shortest?
Color the shortest ribbon.

- -

3. Look at the hour hand.
Write the time.

_____