On Your Own

Use your MathBoard and ⬤. Make equal groups. Complete the addition sentence.

	Number of Equal Groups	Number in Each Group	How many in all?
4.	2	3	___ + ___ = ___
5.	3	5	___ + ___ + ___ = ___
6.	4	4	___ + ___ + ___ + ___ = ___
7.	4	5	___ + ___ + ___ + ___ = ___
8.	5	7	___ + ___ + ___ + ___ + ___ = ___

PROBLEM SOLVING REAL WORLD

Solve.

9. There are 3 flower pots. There are 2 flowers in each flower pot. How many flowers are there?

    ____ flowers

10. There are 2 plants. There are 4 leaves on each plant. How many leaves are there?

    ____ leaves

TAKE HOME ACTIVITY • Use dry cereal or pasta to make 3 equal groups of 5. Ask your child to find the total number of items.
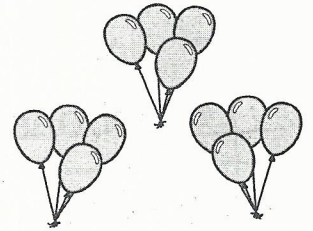
Name _____

Use Repeated Addition to Solve Problems

Essential Question How can you use repeated addition to solve problems?
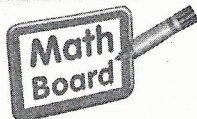
Model and Draw

Dyanna will have 3 friends at her party. She wants to give each friend 4 balloons. How many balloons does Dyanna need?
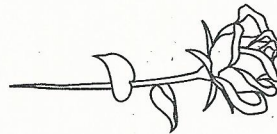
THINK $4 + 4 + 4 = 12$

_12_ balloons

Share and Show

Math Board

Draw pictures to show the story. Write the addition sentence to solve.

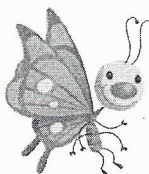1. Ted plays with 2 friends. He wants to give each friend 5 cards. How many cards does Ted need?

_____ cards

2. Aisha shops with 4 friends. She wants to buy each friend 2 roses. How many roses does Aisha need?

_____ roses

Math Talk What pattern can you use to find the answer to Exercise 2?

Getting Ready for Grade 2

On Your Own

Draw pictures to show the story.
Write the addition sentence to solve.

3. Lea plays with 3 friends. She wants to give each friend 5 ribbons. How many ribbons does Lea need?

_____ ribbons

4. Harry shops with 5 friends. He wants to buy each friend 2 pens. How many pens does Harry need?

_____ pens

5. Cam plays with 4 friends. She wants to give each friend 4 stickers. How many stickers does Cam need?

_____ stickers

PROBLEM SOLVING REAL WORLD

Circle the way you can model the problem.
Then solve.

6. There are 4 friends. Each friend has 3 apples. How many apples are there?

4 groups of 4 apples

4 groups of 3 apples

3 groups of 4 apples

There are _____ apples.

TAKE HOME ACTIVITY • Use small items such as cereal pieces to act out each problem. Have your child check the answers on this page.

✓ Checkpoint

Concepts and Skills

Follow the rule to complete each table.

1.

Add 3	
2	
4	
6	
8	

2.

Subtract 7	
10	
12	
13	
14	

3.

Add 6	
10	
9	
8	
7	

4.

Subtract 6	
15	
14	
13	
12	

Getting Ready for Grade 2

Use strategies to find the sums. Circle any strategy you use.

5. 4   make a 10
   3   doubles
+4   count on

6. 3   make a 10
   7   doubles
+5   count on

Add. Write the sum.

7. 32
 +14

8. 52
 +46

9. 18
 +21

10. 43
 +35

Use your MathBoard and ●. Make equal groups.
Complete the addition sentence.

	Number of Equal Groups	Number in Each Group	How many in all?
11.	3	2	___ + ___ + ___ = ___
12.	2	4	___ + ___ = ___

13. Choose the way to model the problem.
James has 4 letters. He puts 2 stamps on each letter.
How many stamps does he use in all?

   ○ 2 groups of 4 stamps   ○ 4 groups of 4 stamps

   ○ 2 groups of 2 stamps   ○ 4 groups of 2 stamps

Name _____

Choose a Nonstandard Unit to Measure Length

Essential Question How can you decide which nonstandard unit to use to measure the length of an object?

Model and Draw

Use ⬭ to measure short things.
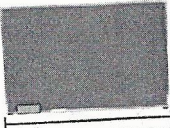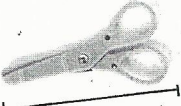
Use ✏ to measure long things.
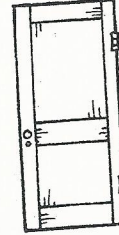
Share and Show
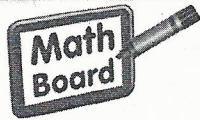
Use real objects. Circle the unit you would use to measure. Then measure.

Object	Unit	Measurement
1.	⬭ ✏	about _____
2.	⬭ ✏	about _____
3.	⬭ ✏	about _____
4.	⬭ ✏	about _____
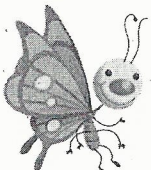
Math Talk Alex measured a book with ⬭. Then he measured with ✏. Did he use more ⬭ or ✏? Explain.

Getting Ready for Grade 2

two hundred seventy-five **P275**

On Your Own

Use real objects. Choose a unit to measure the length. Circle it. Then measure.
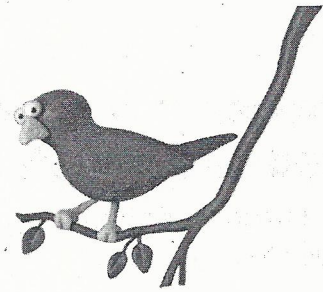
Object	Unit	Measurement
5.		about _____
6.		about _____
7.		about _____
8.		about _____

PROBLEM SOLVING REAL WORLD

9. Fred uses 🔲 to measure the stick.
Sue measures the stick and gets the same measurement.
Circle the unit that Sue uses.
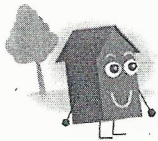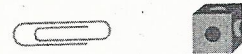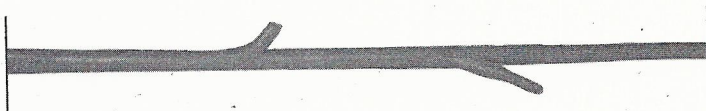
TAKE HOME ACTIVITY • Have your child measure something around the house by using small objects such as paper clips and then by using larger objects such as pencils. Discuss why the measurements differ.

Name _____

Use a Non-Standard Ruler

Essential Question How can you use a non-standard measuring tool to find length?

Model and Draw

About how long is the pencil?
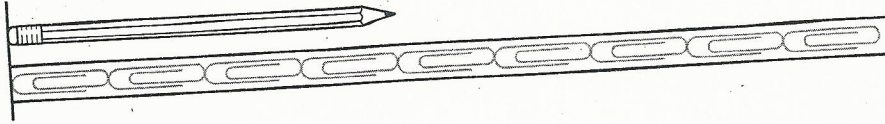
The end of the pencil and the end of the ⊂⊃ must line up. Count how many ⊂⊃ from one end of the pencil to the other.

about ___4___ ⊂⊃
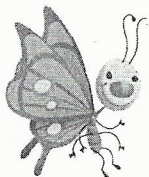
Share and Show
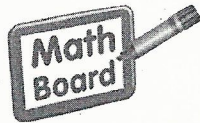
About how long is the string?

1.

about _____ ⊂⊃

2.
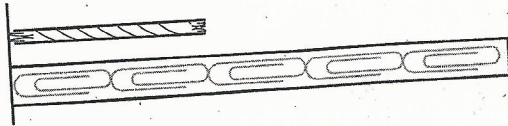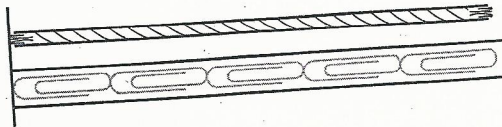
about _____ ⊂⊃

Math Talk In Exercise 1, why must the end of the pencil and the end of the ⊂⊃ line up?

Getting Ready for Grade 2

On Your Own

About how long is the string?

3.
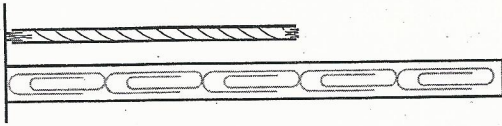
about _____ ⬭

4.
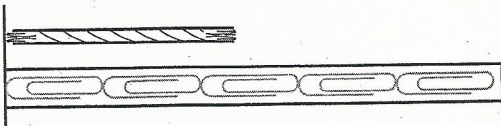
about _____ ⬭

5.
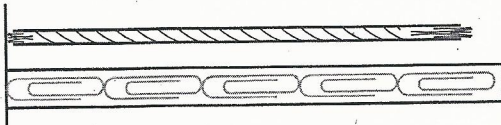
about _____ ⬭

PROBLEM SOLVING REAL WORLD

6. Wendy measures her pencil. She says it is about 2 ⬭ long. Is she correct? Explain.

_____

_____

_____
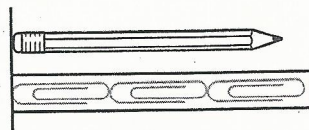
TAKE HOME ACTIVITY • Have your child use 20 paper clips to measure different small objects in your house. Be sure the paper clips touch end to end.
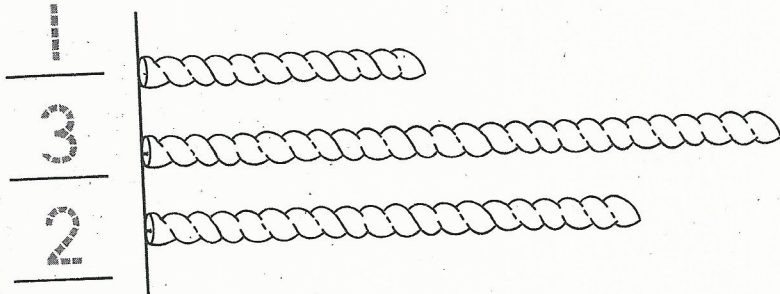
P278 two hundred seventy-eight

Name _____

Compare Lengths

Essential Question How can you compare lengths of objects?

Model and Draw

First, write 1, 2, and 3 to order the strings from **shortest** to **longest**.

Then measure with ▢.

1

3

2

about __3__ ▢ ← Shortest

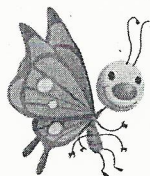about __8__ ▢ ← Longest

about __6__ ▢

Share and Show
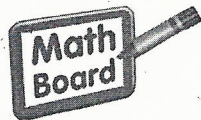
Math Board

Write 1, 2, and 3 to order the strings from **shortest** to **longest**. Then measure with ▢. Write the lengths.

1. ___

___

___
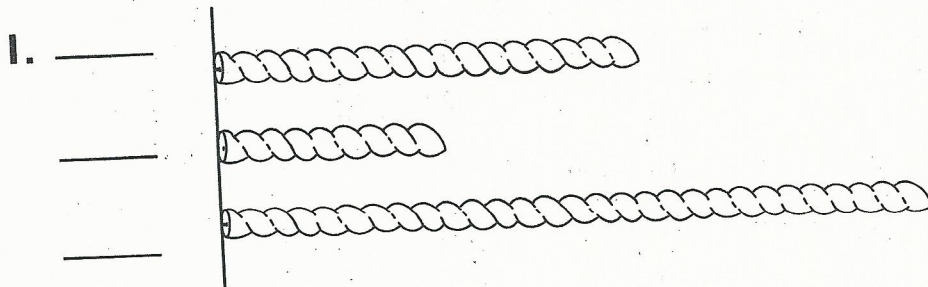
about ___ ▢

about ___ ▢

about ___ ▢

Math Talk   How can measuring with cubes tell you the order of the strings?

Getting Ready for Grade 2

two hundred seventy-nine **P279**

On Your Own

2. Write 1, 2, and 3 to order the strings from **shortest** to **longest**. Then measure with ⬡. Write the lengths.

____ about ____ ⬡

____ about ____ ⬡

____ about ____ ⬡

3. Write 1, 2, and 3 to order the strings from **shortest** to **longest**. Then measure with ⬡. Write the lengths.
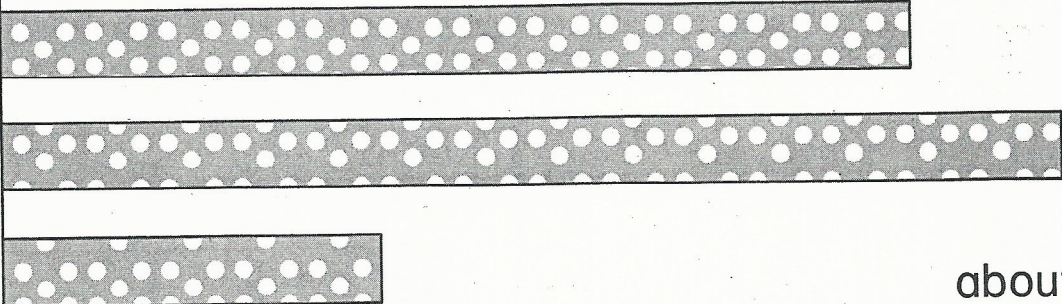
____ about ____ ⬡

____ about ____ ⬡

____ about ____ ⬡

PROBLEM SOLVING REAL WORLD

4. Kate has these ribbons. Kate gives Hannah the longest one. Measure with ⬡ and write the length of Hannah's ribbon.

about ____ ⬡

TAKE HOME ACTIVITY • Give your child three strips of paper. Have your child cut them about 4 paper clips long, about 2 paper clips long, and about 5 paper clips long. Then have your child order the paper strips from shortest to longest.

Name _____

Time to the Hour and Half Hour

Essential Question How do you tell time to the hour and half hour on an analog clock?

Model and Draw

The hour hand and the minute hand show the time.
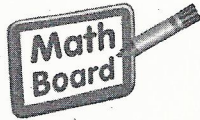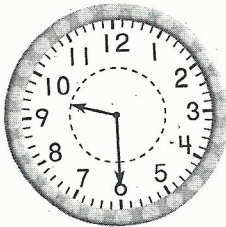Write the time shown on the clock.
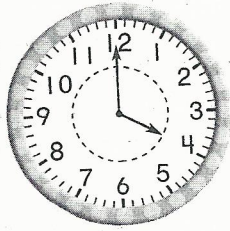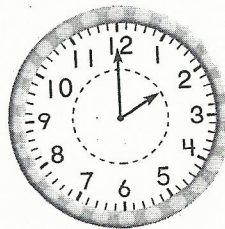
4:00

4:30

Share and Show

Math Board
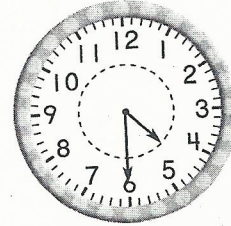
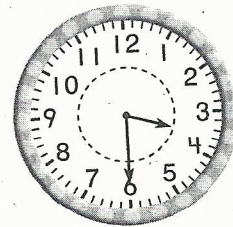Read the clock. Write the time.

1.

2.

3.

_____

_____

_____
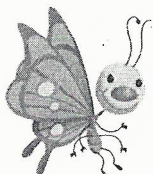
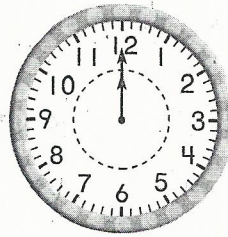**Math Talk** Why does the hour hand point halfway between 5 and 6 at half past 5:00?

Getting Ready for Grade 2

two hundred eighty-one **P281**

On Your Own

Read the clock. Write the time.

4.

_____
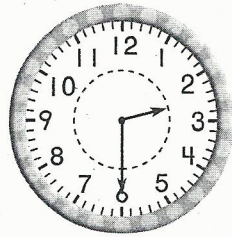
5.

_____
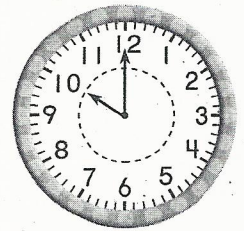
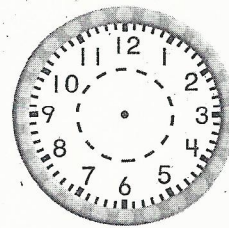**6.**

_____
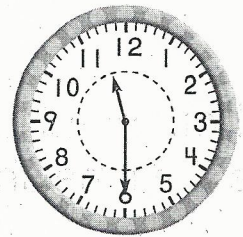
7.

_____
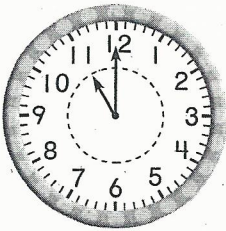
8.

_____
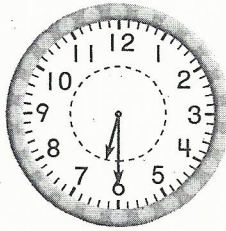
9.

_____

PROBLEM SOLVING REAL WORLD

Draw and write to show the time.

10. Liam has soccer practice at half past 10:00.
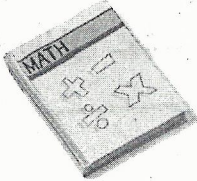
_____

✓ Checkpoint

Concepts and Skills
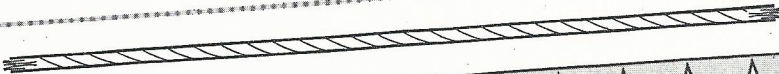
Use real objects. Choose a unit to measure the length.
Then measure.

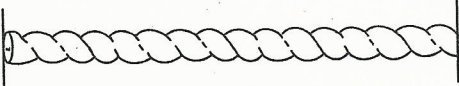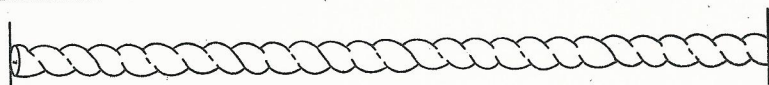| Object	Unit	Measurement
1.		about _____
2.		about _____
3.		about _____

How long is the yarn? Use the star ruler to measure.
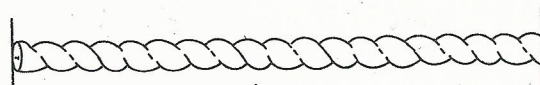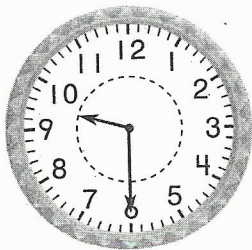
4.

_____ stars long

5.

_____ stars long

Getting Ready for Grade 2

Write 1, 2, and 3 to measure the
strings from **shortest** to **longest**.
Then measure with cubes. Write the lengths.

6. ____   ____ cubes long

____   ____ cubes long

____   ____ cubes long

7. ____   ____ cubes long

____   ____ cubes long

____   ____ cubes long

8. Read the clock. Choose the correct time.

○ 8:00

○ 8:30

○ 9:00

○ 9:30

Name _____

Use a Picture Graph

Essential Question How do you read a picture graph?

Model and Draw

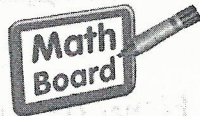| Our Favorite Hot Dog Toppings					
mustard	☥	☥	☥		
ketchup	☥	☥	☥	☥	☥

Each ☥ stands for 1 child.

_3_ children chose 🫙.

Most children chose __ketchup__.

_2_ fewer children chose 🫙 than 🍾.

Share and Show

Math Board

Our Sock Colors						
black	☥	☥				
white	☥	☥	☥	☥	☥	☥
blue	☥	☥	☥			

Each ☥ stands for 1 child.

Use the picture graph to answer the questions.

1. How many children are wearing 🧦? ____

2. What color of socks are most of the children wearing? _____

3. How many more children wear 🧦 than 🧦? ____

Math Talk How did you find the answer to Exercise 3?

Getting Ready for Grade 2

two hundred eighty-five **P285**
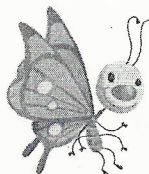
On Your Own

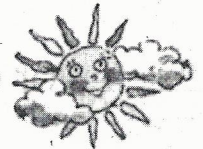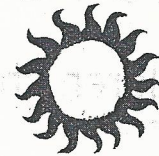| Our Weather						
🌧 rainy	◯	◯	◯	◯		
☀ sunny	◯	◯				
🌥 cloudy	◯	◯	◯	◯	◯	◯

Each ◯ stands for 1 day.

Use the picture graph to answer each question.

4. How many days in all are shown on the graph?

_____ days

5. What was the weather for most days? Circle.

6. How many fewer days were 🌧 than 🌥 ?

_____ days

7. How many ☀ and 🌥 days were there?
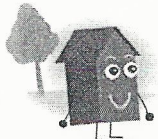
_____ days

PROBLEM SOLVING REAL WORLD

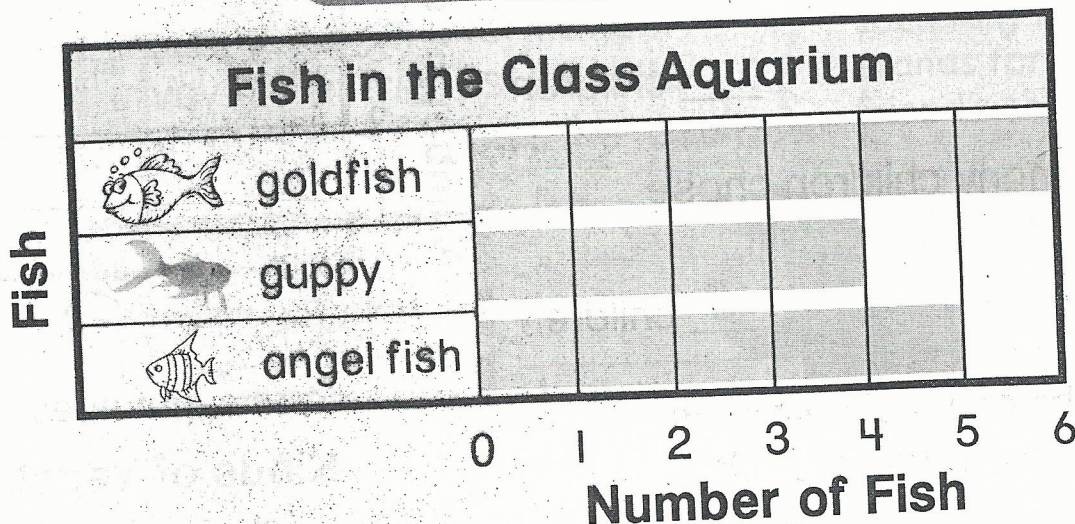**8.** Today is sunny. Robin puts one more ☀ on the graph. How many ☀ days are there now?

_____ days

TAKE HOME ACTIVITY • Help your child make a picture graph to show the eye color of 10 friends and family members.

P286 two hundred eighty-six

Name _____

Use a Bar Graph

Essential Question How do you read a bar graph?

Model and Draw

Fish in the Class Aquarium

Fish		0	1	2	3	4	5	6
	goldfish							
	guppy							
	angel fish							

Number of Fish

To find how many, read the number below the end of the bar.

__6__ fish are 🐟.

Share and Show Math Board

Use the bar graph to answer the questions.

1. How many fish are in the aquarium?
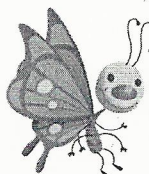
   _____ fish

2. How many fish in the aquarium are 🐟?

   _____ fish

3. How many fewer fish are 🐟 than 🐟?

   _____ fish

4. Are more of the fish 🐟 or 🐟?

   _____

Math Talk How did you find the answer for Exercise 1?

Getting Ready for Grade 2

two hundred eighty-seven **P287**

On Your Own

Use the bar graph to answer the questions.

Our Favorite Vegetables

Number of Children — Kinds of Vegetables

carrots   potatoes   corn
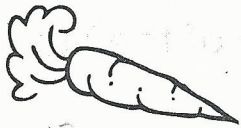
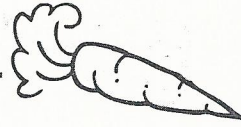5. How many children chose
🥔?

_____ children

6. How many children chose
🥕 ?

_____ children
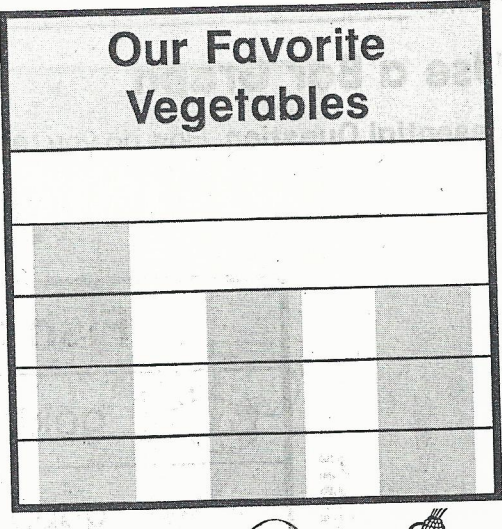
7. Which vegetable did most children choose? Circle.

8. Which vegetables were chosen the same number of times? Circle.

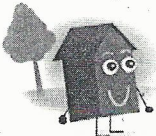## PROBLEM SOLVING REAL WORLD

Use the bar graph to solve.

9. Brad and Glen both like corn the best. If the boys add this to the graph, how many children will have chosen corn?

_____ children

TAKE HOME ACTIVITY • Ask your child to decide whether they prefer carrots or potatoes. Then have your child color to add their choice to the bar graph on this page.
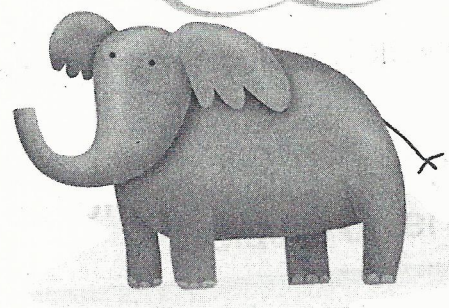
Name _____

Take a Survey

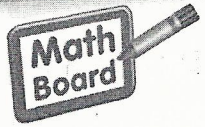Essential Question How can you take a survey?

Model and Draw

You can take a **survey** to get information. Jane took a survey of her friends' favorite wild animals. The tally chart shows the results.

REMEMBER
Each tally mark stands for one friend's choice.

Favorite Wild Animal

Animal	Tally
elephant	卌
monkey	III
tiger	II

Share and Show   Math Board

1. Take a survey.
   Ask 10 classmates which wild animal is their favorite. Use tally marks to show their answers.
   _____

Our Favorite Wild Animal

Animal	Tally
elephant	
monkey	
tiger	

2. How many children did not choose tiger?
   _____ children

3. Did more children choose elephant or tiger? _____

4. The most children chose _____ as their favorite.
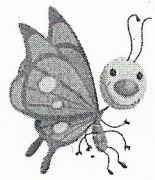
Math Talk Describe a different survey that you could take. What would the choices be?

two hundred eighty-nine **P289**

Getting Ready for Grade 2

On Your Own

5. Take a survey. Ask 10 classmates which color is their favorite. Use tally marks to show their answers.

Our Favorite Color	
Color	Tally
red	
blue	
green	

6. Which color was chosen by the fewest classmates? _____

7. Which color did the most classmates choose? _____

8. Did more classmates choose red or green? _____

9. _____ classmates chose a color that was not red.

10. Did fewer children choose blue or green? _____

PROBLEM SOLVING REAL WORLD

11. Jeff wants to ask 10 classmates which snack is their favorite. He makes 1 tally mark for each child's answer. How many more classmates does he need to ask?

Our Favorite Snack	
Snack	Tally
pretzels	II
apples	I
popcorn	IIII

_____ more classmates

TAKE HOME ACTIVITY • Have your child survey family members about their favorite sport and make a tally chart to show the results.

Name _____

Identify Shapes

Essential Question How can attributes help you identify a shape?

Model and Draw

The number of sides and vertices help you identify a shape.

vertex
side
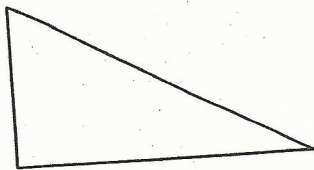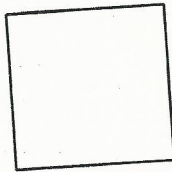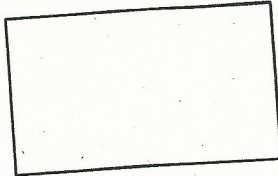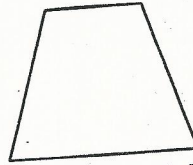
triangle   square   rectangle   trapezoid   hexagon
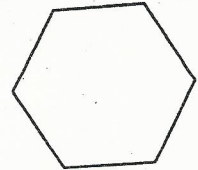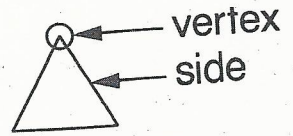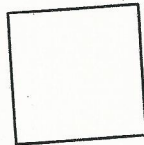
3 sides, 3 vertices   4 sides, 4 vertices   6 sides, 6 vertices
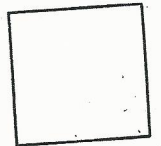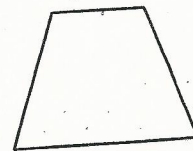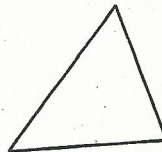
Share and Show

Math Board
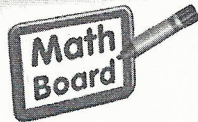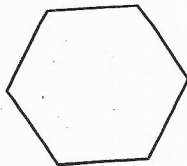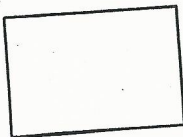
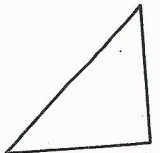Circle to answer the question. Write to name the shape.

1. Which shape has 4 sides?

_____
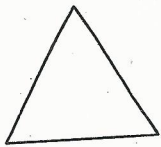
2. Which shape has 3 vertices?

_____

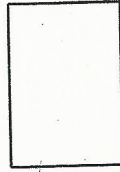3. Which shape has 6 sides?

_____
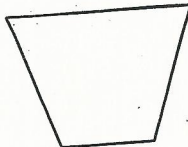
4. Which shape has 4 vertices?

_____
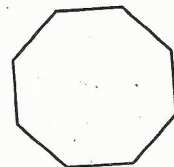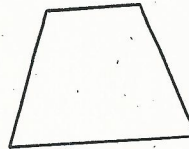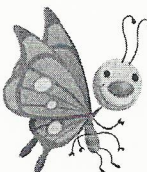
Math Talk   How are a square and a rectangle alike?
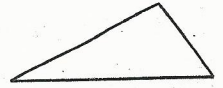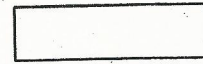
Getting Ready for Grade 2

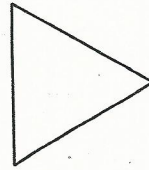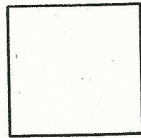two hundred ninety-one **P291**

On Your Own
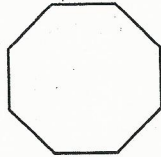
Circle to answer the question. Write to name the shape.

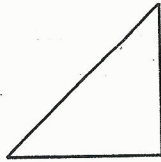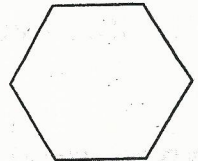**5.** Which shape has 3 sides?

_____
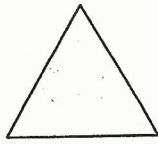
6. Which shape has 4 vertices?

_____

7. Which shape has 4 sides?

_____

8. Which shape has 6 vertices?

_____
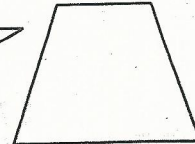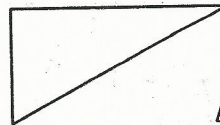
PROBLEM SOLVING REAL WORLD

9. Jason, Mat, and Carrie each draw a shape with 4 sides. The shapes look different and have different names.

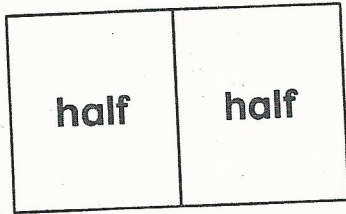Draw 3 shapes the children might have drawn. Write to name each shape.

_____   _____   _____

Name _____

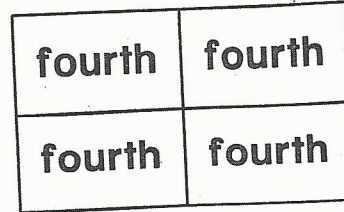# Equal Shares

Essential Question How can you name two or four equal shares?

Model and Draw

half	half

__2__ equal shares

__2__ halves

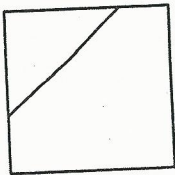| fourth	fourth
fourth	fourth

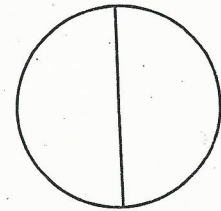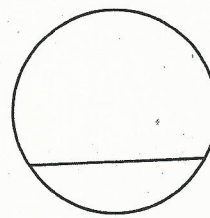__4__ equal shares

__4__ fourths

Share and Show

Math Board
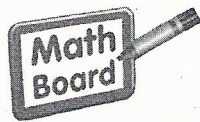
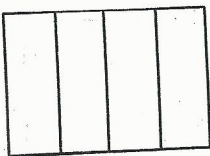Circle the shape that shows equal shares. Write to name the equal shares.

1.

_____
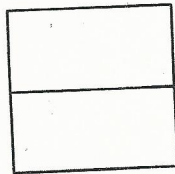
2.

_____

3.

_____
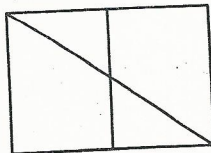
4.

_____

Math Talk Are all equal shares the same size and shape? Explain.

Getting Ready for Grade 2

On Your Own

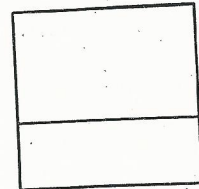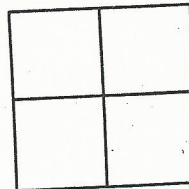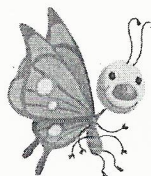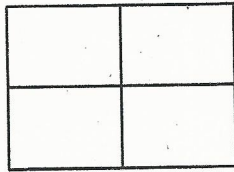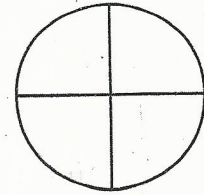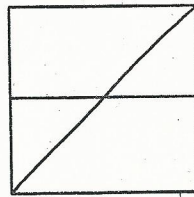Circle the shape that shows equal shares. Write to name the equal shares.

5.

_____
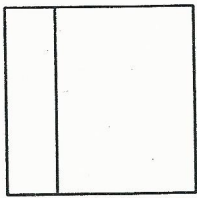
6.

_____

7.

_____
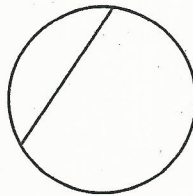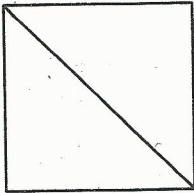
8.

_____
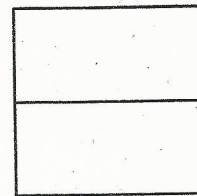
PROBLEM SOLVING REAL WORLD

9. Riley wants to share his cracker with a friend. Draw to show two different ways Riley can cut the cracker into equal shares.

TAKE HOME ACTIVITY • Ask your child to help you cut a piece of toast into fourths.

P294 two hundred ninety-four

✓ Checkpoint

Concepts and Skills

Use the picture graph to answer Exercises 1 and 2.
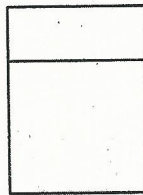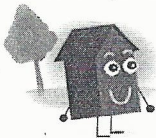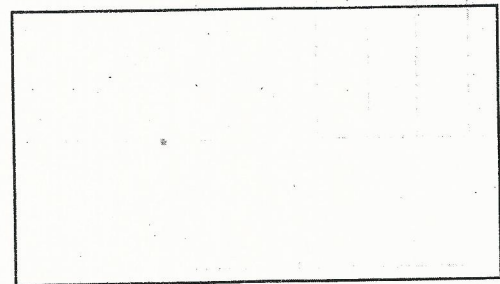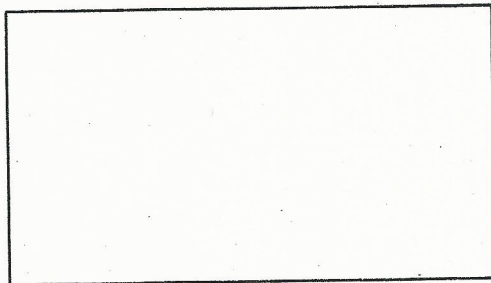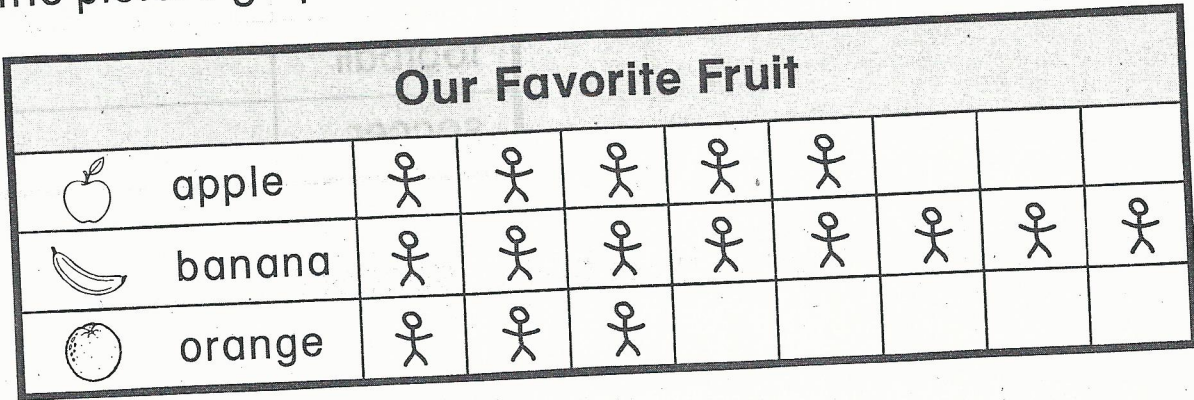
Our Favorite Fruit

🍎 apple	🧍	🧍	🧍	🧍	🧍			
🍌 banana	🧍	🧍	🧍	🧍	🧍	🧍	🧍	🧍
🍊 orange	🧍	🧍	🧍					

Each 🧍 stands for 1 child.

1. How many children choose an orange? _____

2. Which fruit was chosen most often? _____

Use the bar graph to answer Exercises 3 and 4.

Our Favorite Pets

Kind of Pet

dog
cat
bird

0 1 2 3 4 5 6
Number of Children
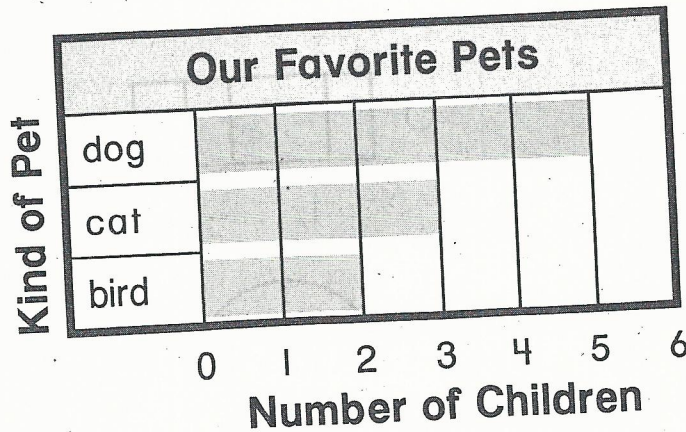
3. Which pet did most children choose? _____

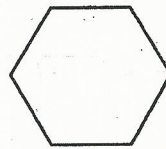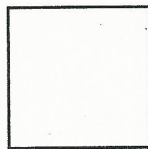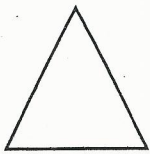4. How many more children chose a cat than a bird?

_____

Getting Ready for Grade 2

5. Take a survey. Ask 8 classmates which sport is their favorite. Use tally marks to show their answers.

Our Favorite Sport	
Sport	Tally
baseball	
football	
soccer	

6. Did more children choose baseball or soccer? _____

Circle to answer the question. Then write the shape name.

7. Which shape has 4 vertices?

_____

8. Which shape shows fourths?