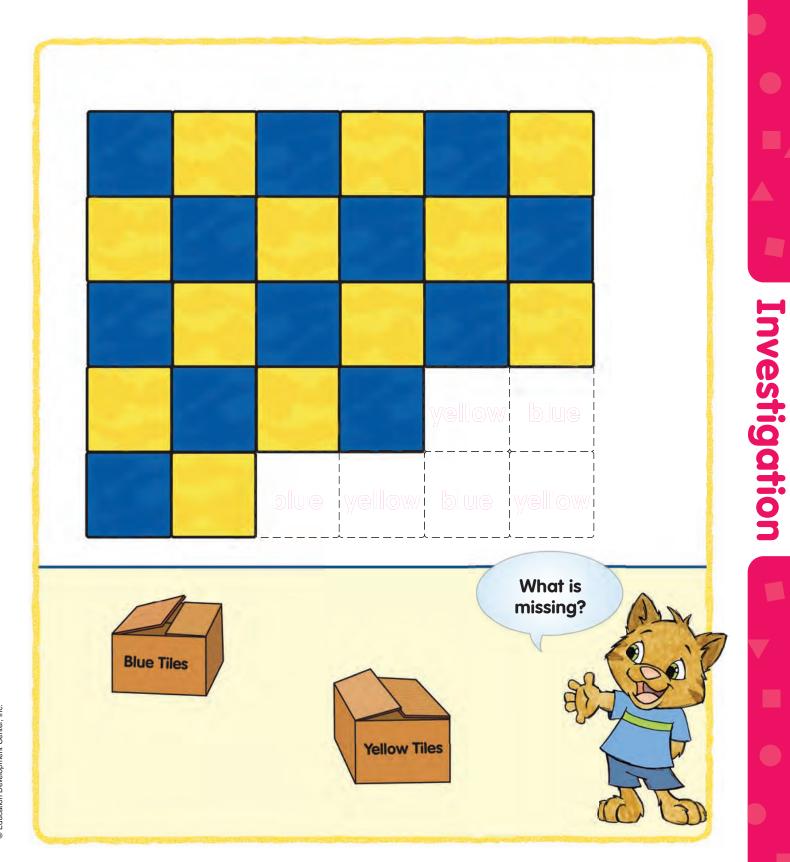
Name \_\_\_\_\_

Chapter 3

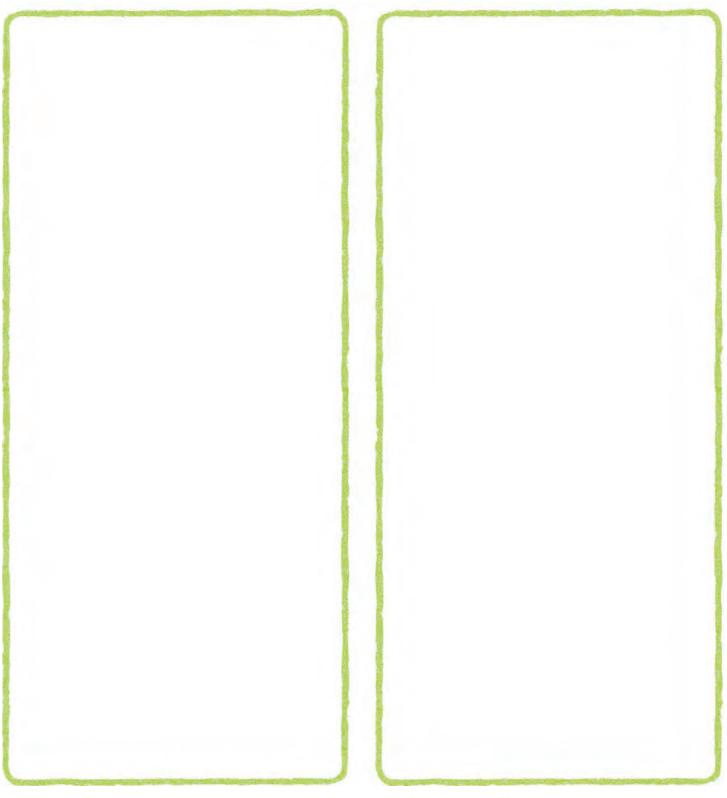
# **Patterns and Sorting**



Name

# What's the Same? What's Different?

NCTM Standards 1, 2, 6, 7, 9, 10



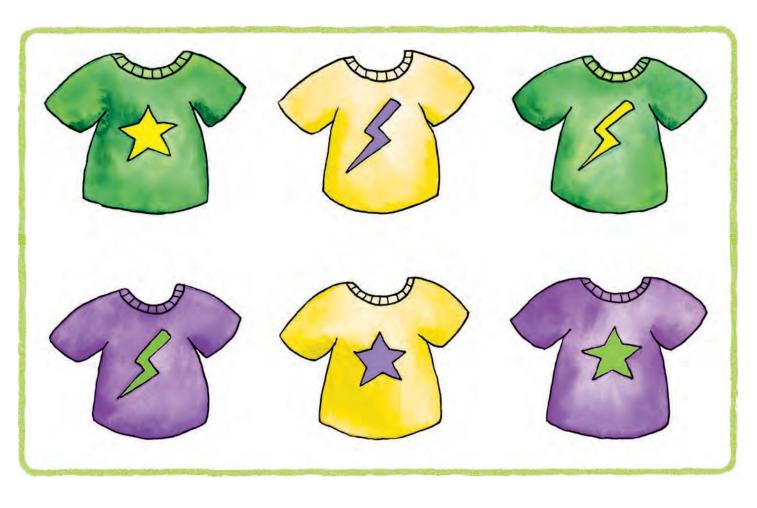
**GROUP I** 

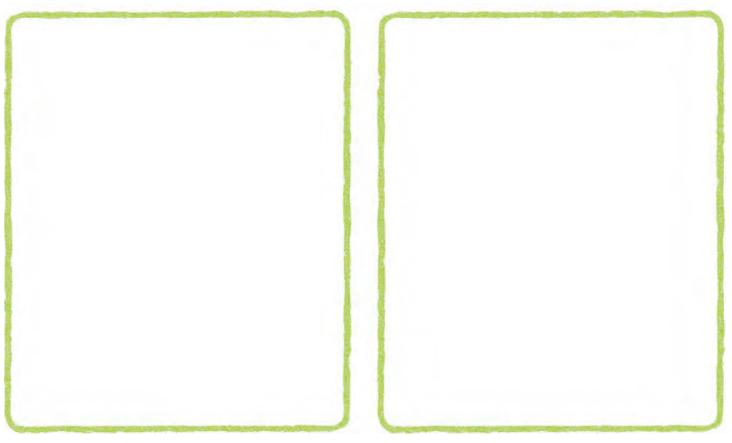
Sort the Face Cutouts. Paste one group into each sorting box.

**GROUP 2** 



**NOTE:** Your child is learning to sort objects by attributes. Have your child tell you how the objects were sorted.



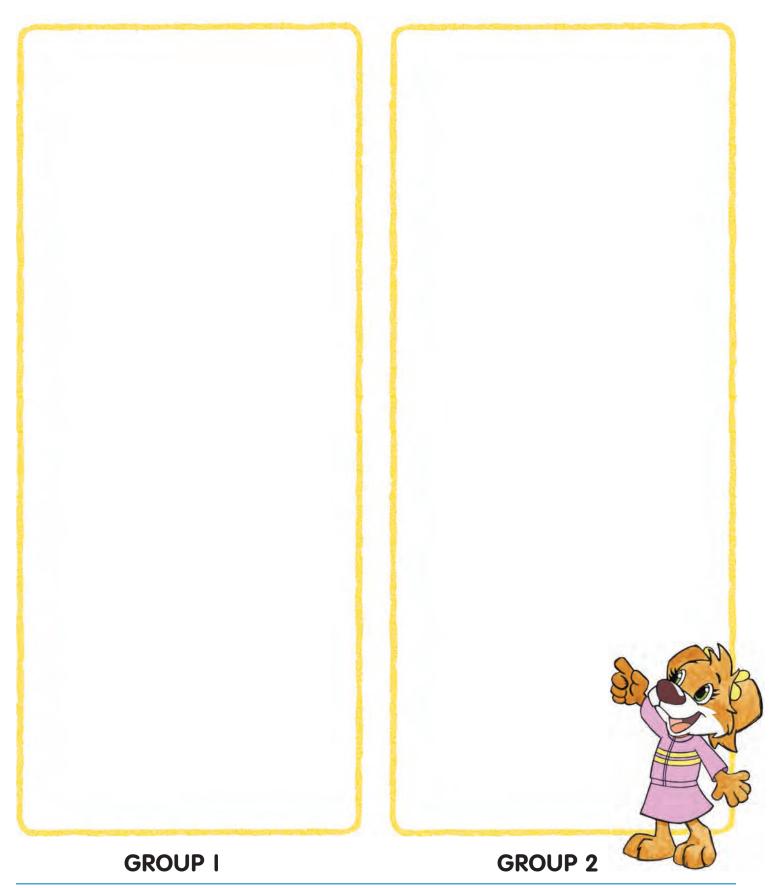


GROUP I GROUP 2

Chapter 3
Lesson 2

# **Sorting in Different Ways**

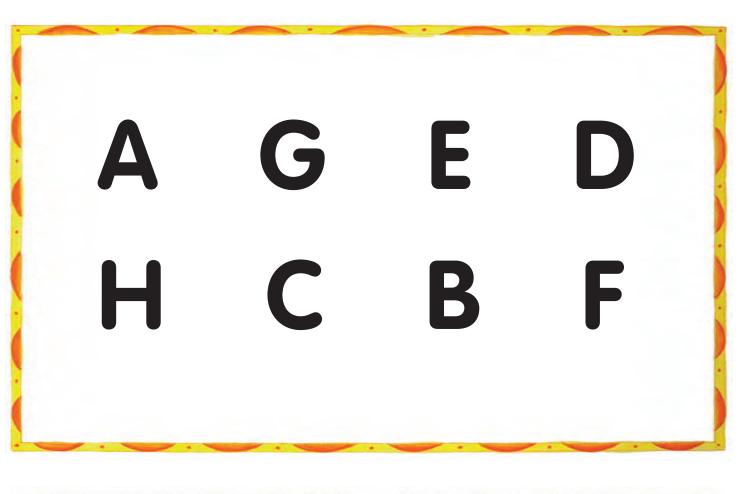
NCTM Standards 1, 2, 3, 6, 7, 8, 9, 10

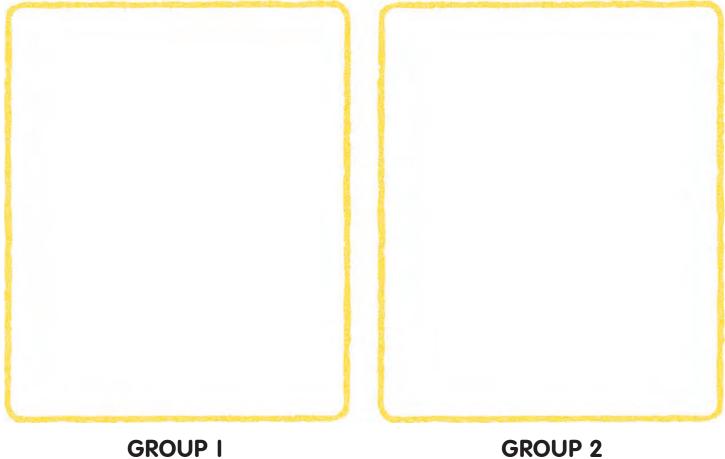


Sort attribute links into two groups. Draw the links in each group.



**NOTE:** Your child is learning to sort objects by color, shape, or size. Have your child tell you how the objects were sorted.



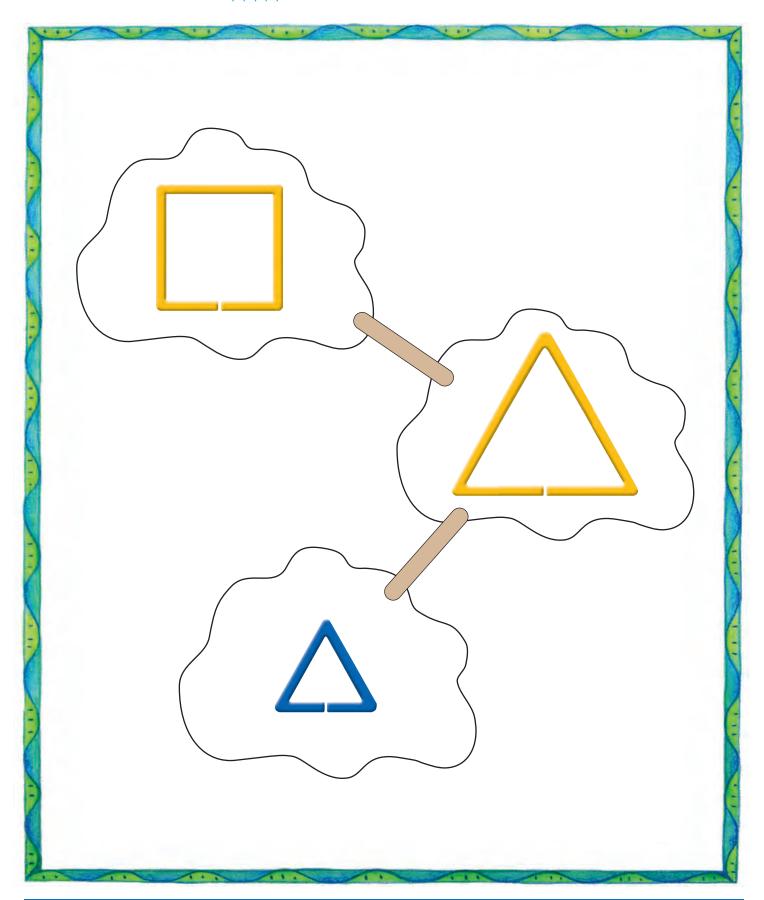


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Sort the letters into two groups. Write the letters for each group in a sorting box.

# **Counting Differences**

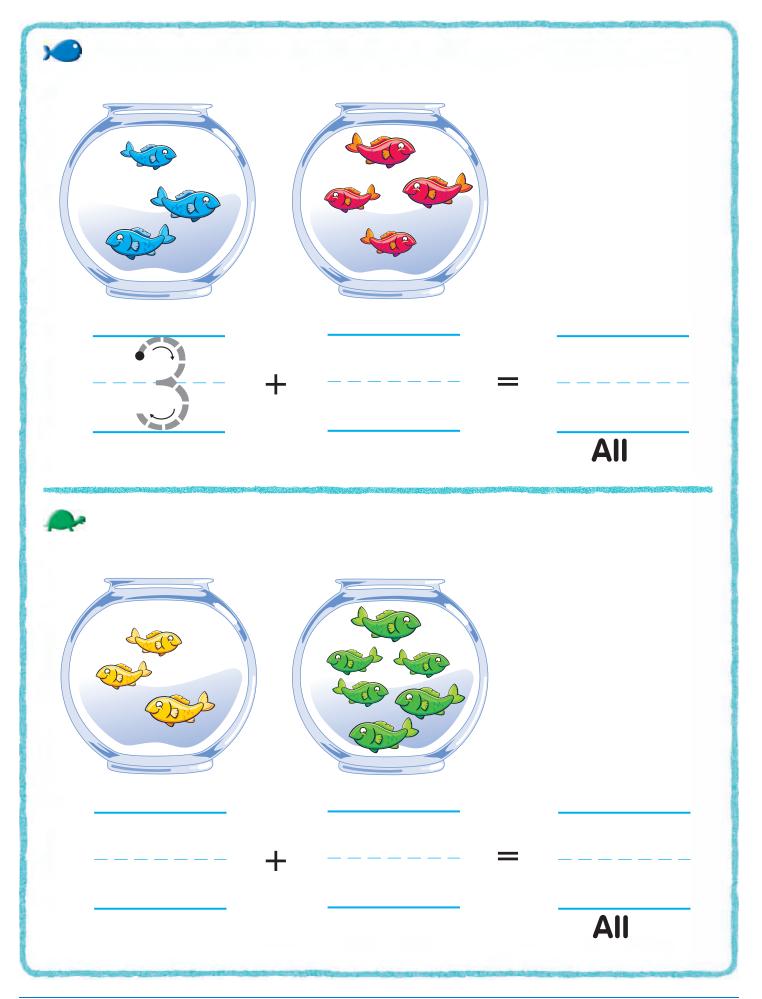
NCTM Standards 1, 3, 6, 7, 9, 10



Complete the riddle by drawing the correct number of dots—one for each difference—on each stick.



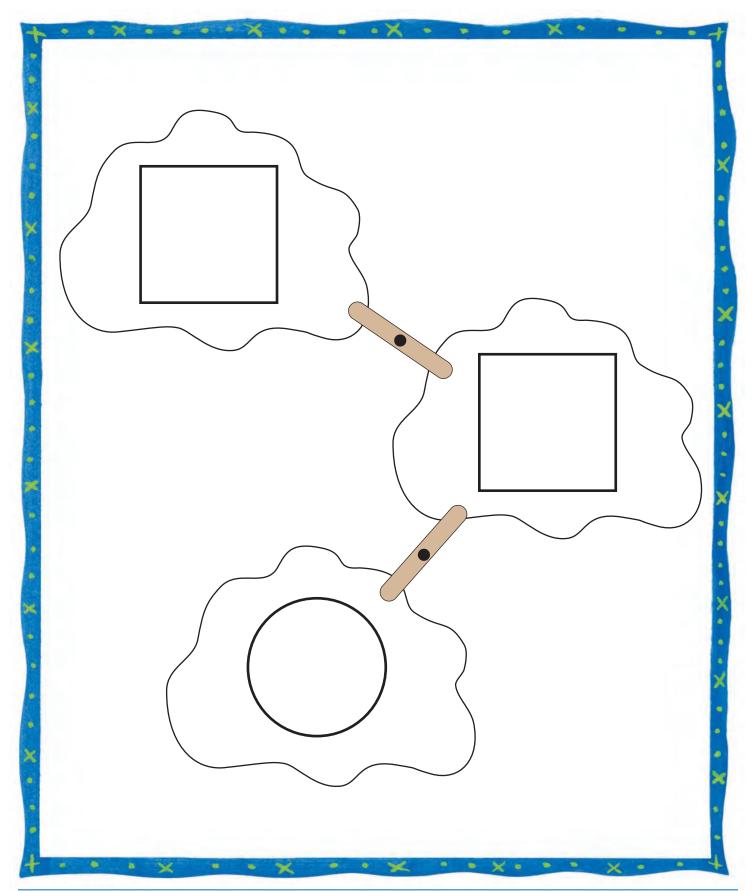
**NOTE:** Your child is learning to sort items. Have your child describe each figure by color, size, and shape. For example, the top figure is a large, yellow square.



Write the numbers to show how the fish are sorted. Then write how many fish in all.

## **Shape Dominoes and Riddles**

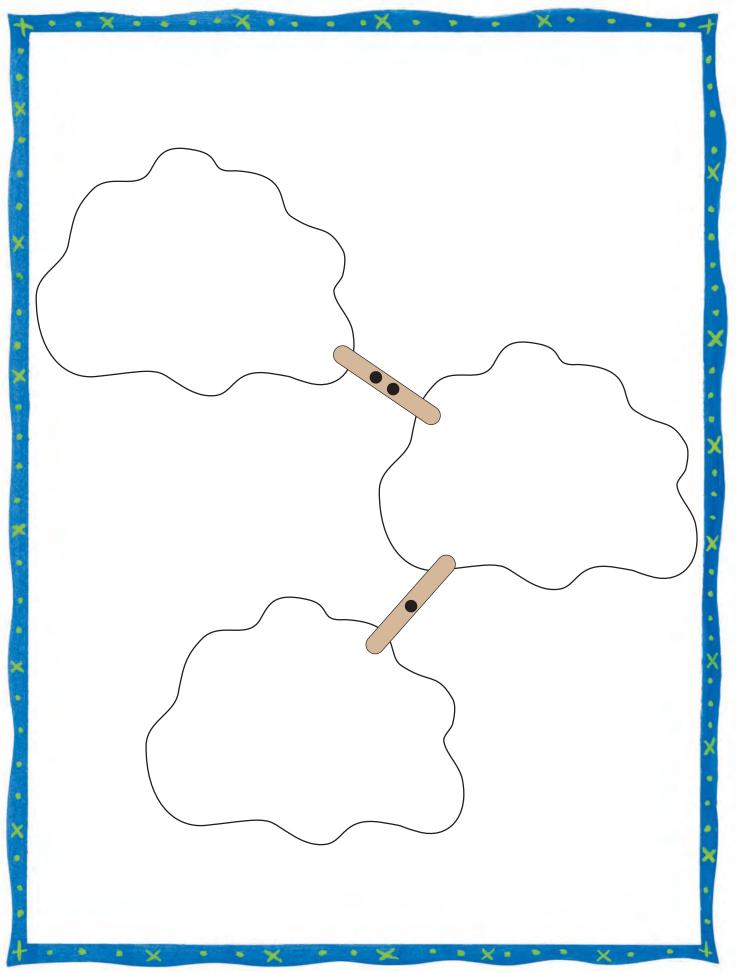
NCTM Standards 1, 3, 6, 7, 9, 10



Color the figures to make the riddle true.



**NOTE:** Each figure is different in one way from the one connected to it. Have your child explain how the figures are the same and how they are different.

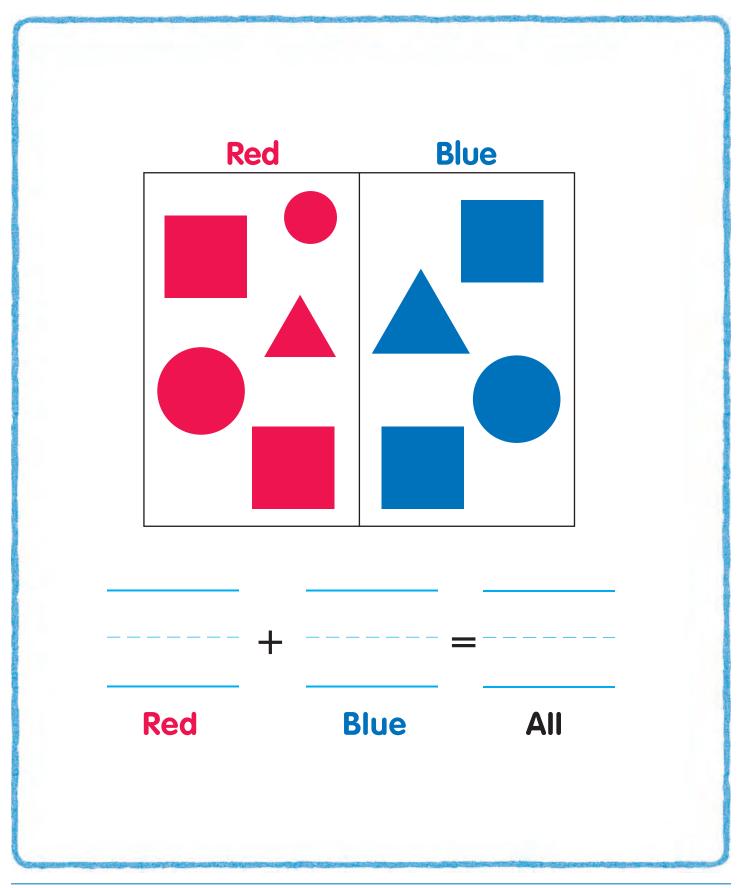


Draw and color three figures to solve the riddle.

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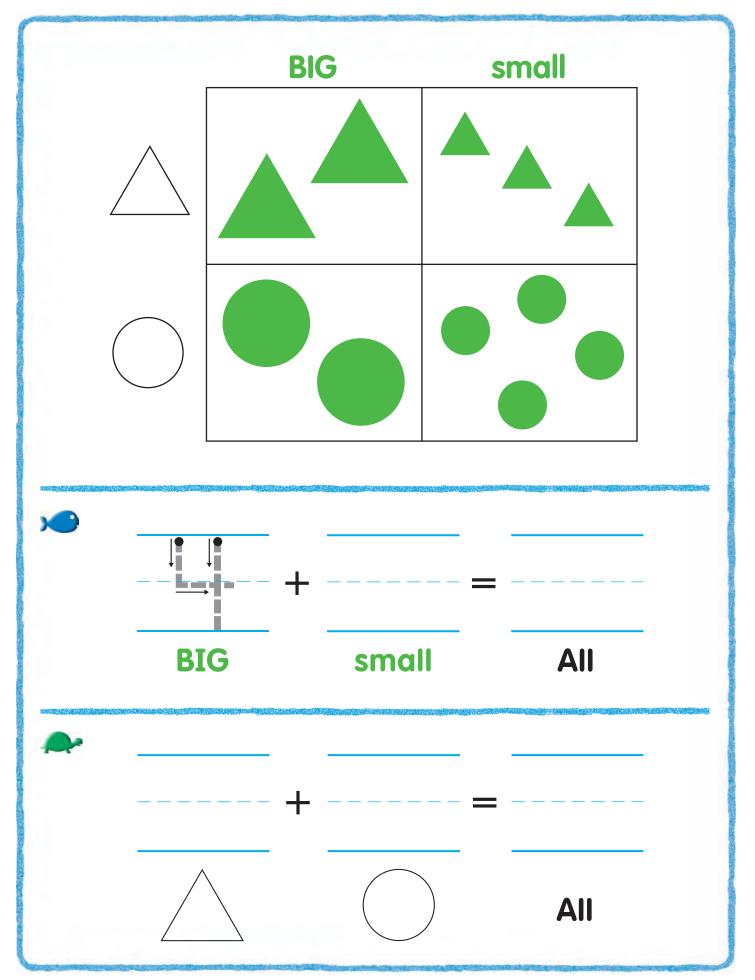
# **Sorting by Two Attributes**

NCTM Standards 1, 2, 3, 6, 7, 9, 10



Write the numbers to match the sort.





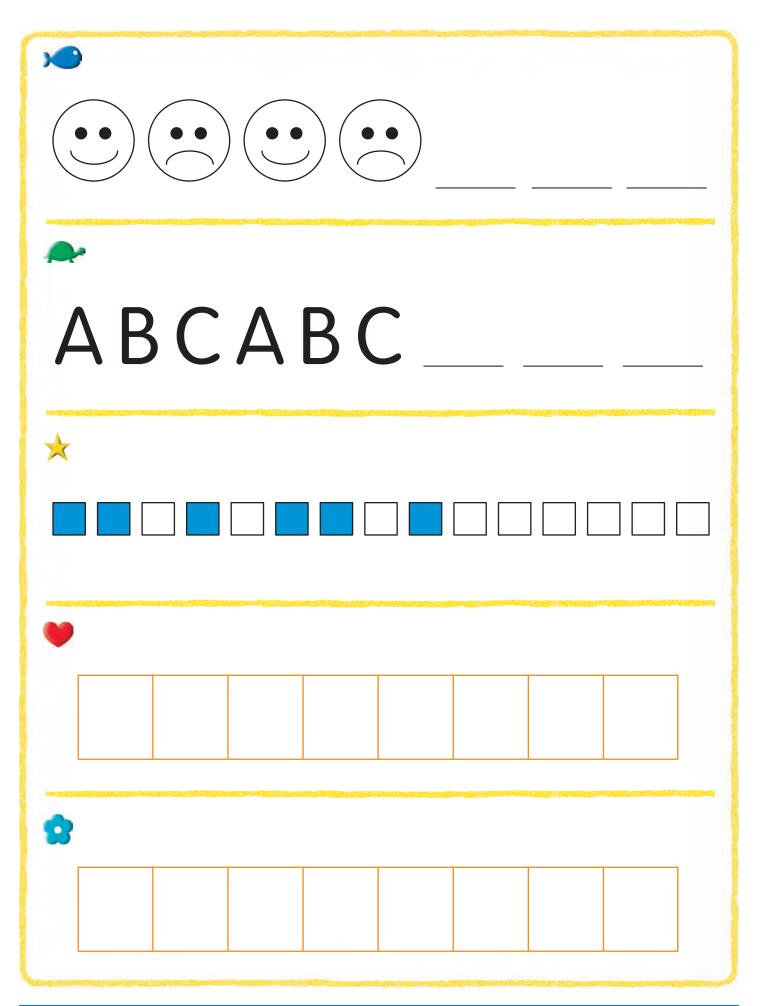
Write the numbers to match the sort.









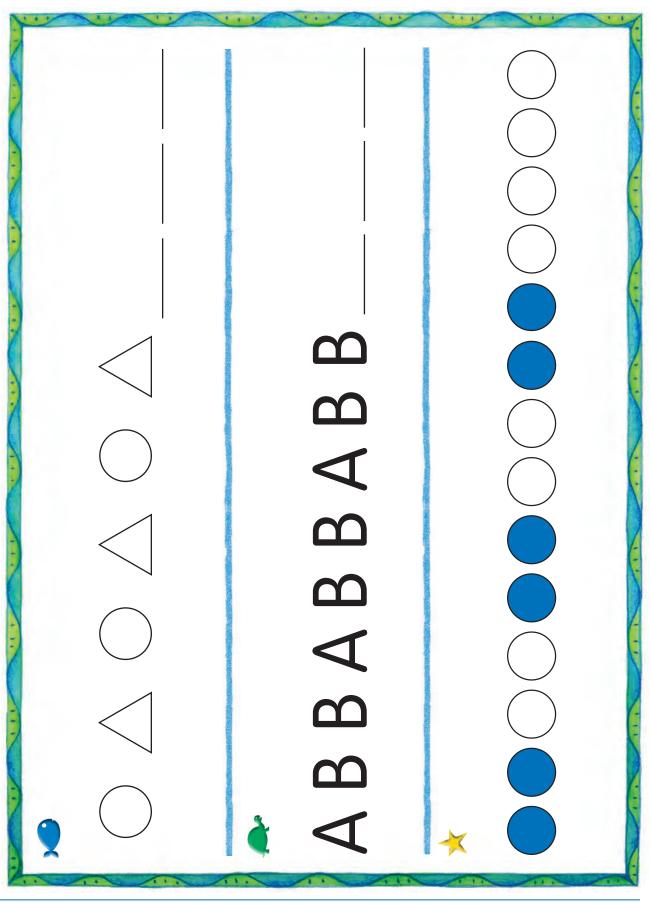


➤ ★ Extend each pattern.

Create your own patterns.

# © Education Development Center, Inc.

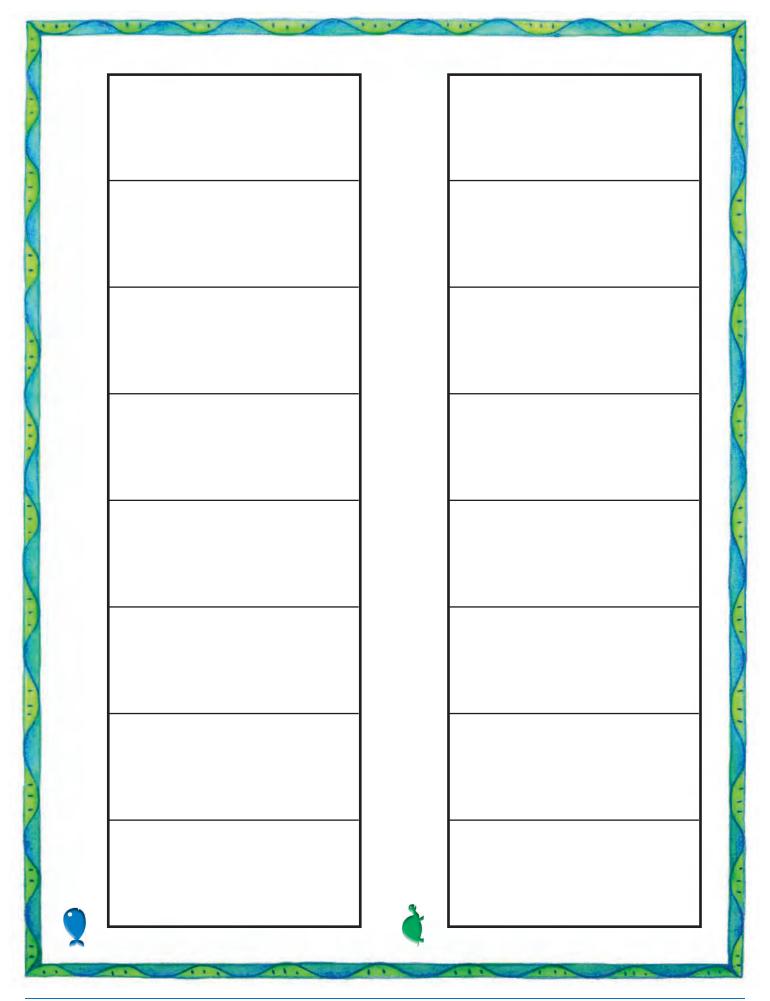
# **More Repeating Patterns**



Extend each pattern.

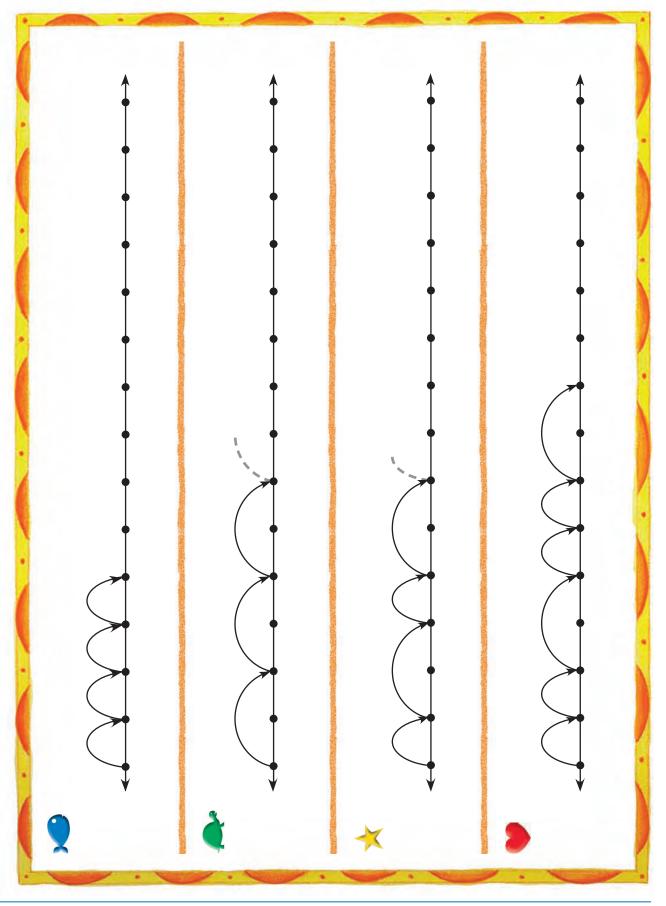


**NOTE:** Your child is learning to identify, describe, and extend patterns with numbers, letters, and shapes. Ask your child to tell what part of each pattern repeats.



Create your own patterns.

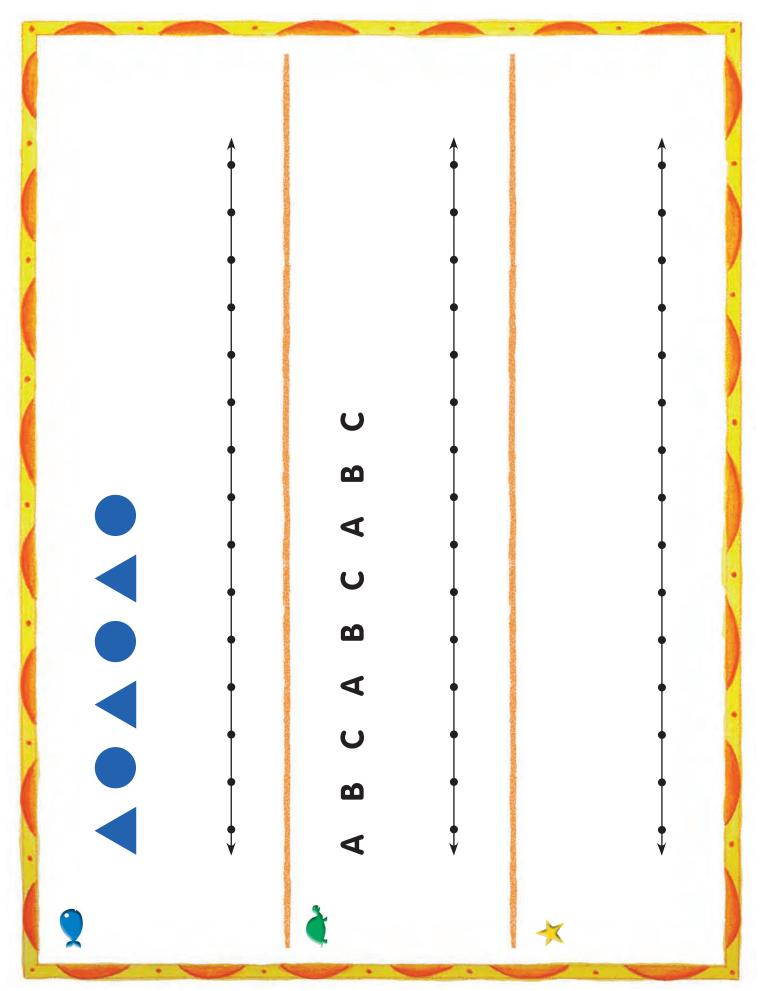
# Patterns on the Number Line



Extend each pattern of jumps.



**NOTE:** Your child is learning to show patterns as jumps on the number line. Ask your child to tell about each pattern.



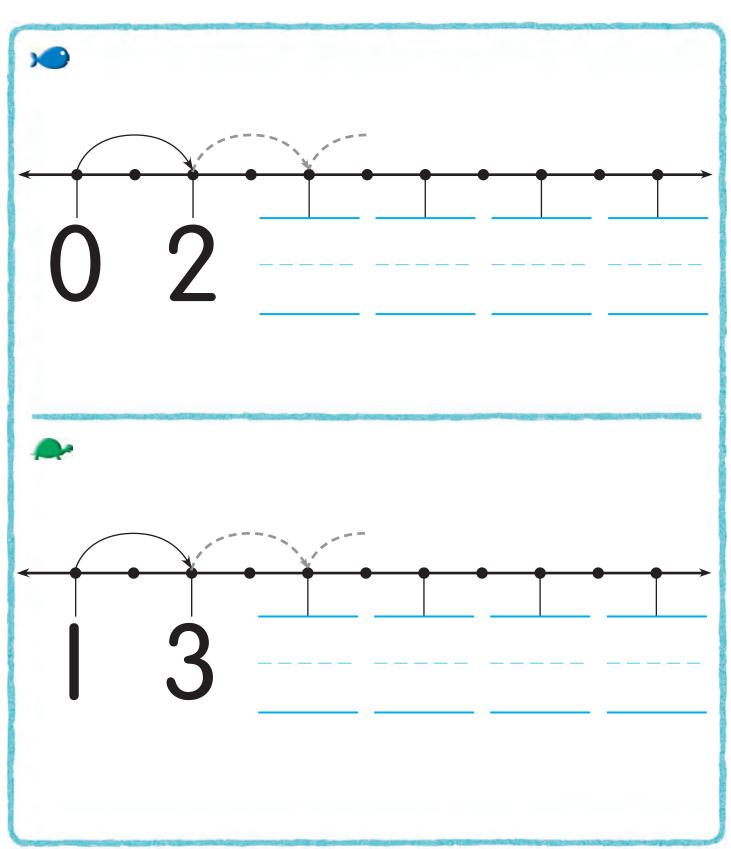
- Create a number line jump pattern like the shape pattern.
- Create a number line jump pattern like the letter pattern.
- 🜟 Create your own pattern.

Lesson 9

Name \_\_\_\_\_

# Growing Patterns on the Number Line

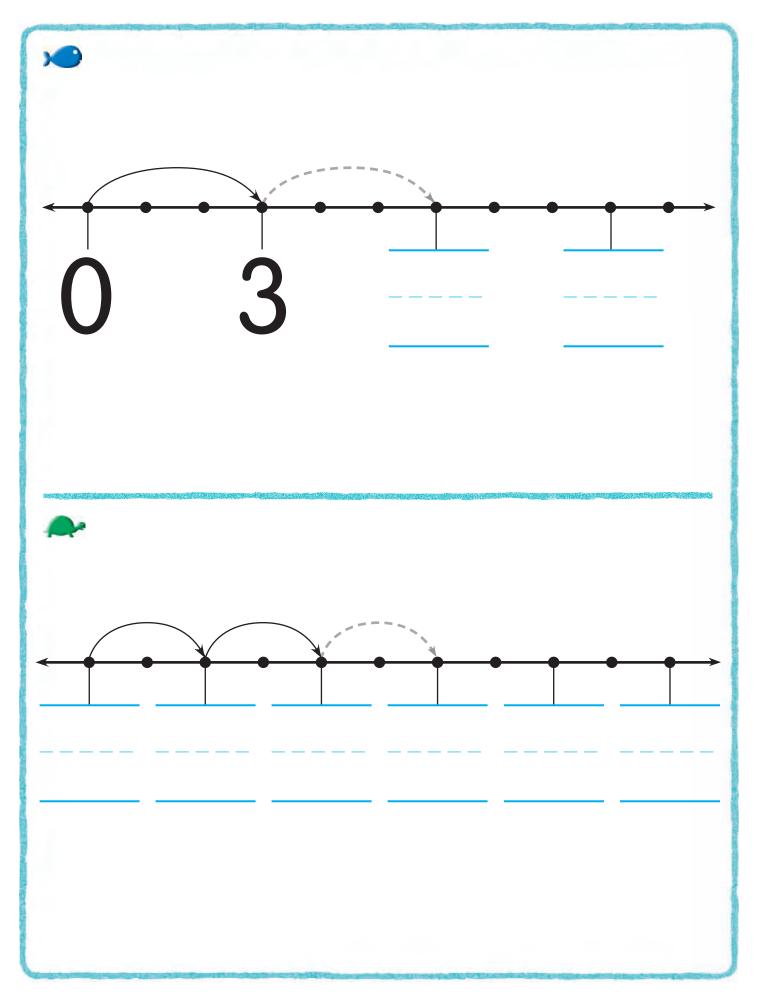
NCTM Standards 1, 2, 6, 7, 9, 10



Extend each pattern of jumps and write the missing numbers.



**NOTE:** Your child is learning to skip-count on the number line. Ask your child to tell you what the next number would be.

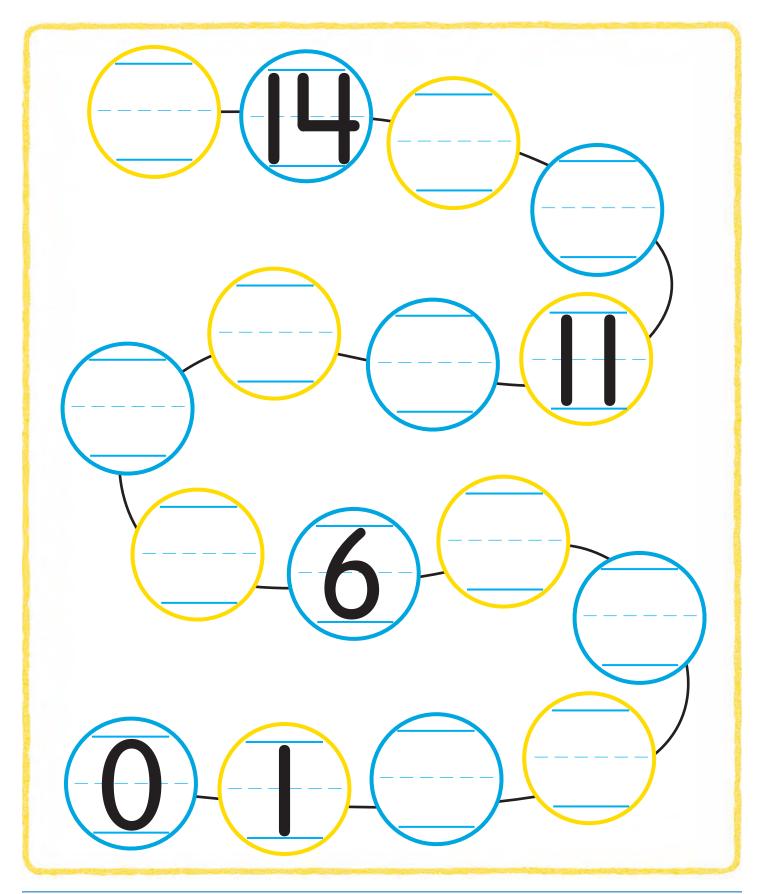


- Extend the pattern of jumps and write the missing numbers.

  Extend the pattern of jumps and write numbers to match the number line jumps.

# **Extending the Number Line**

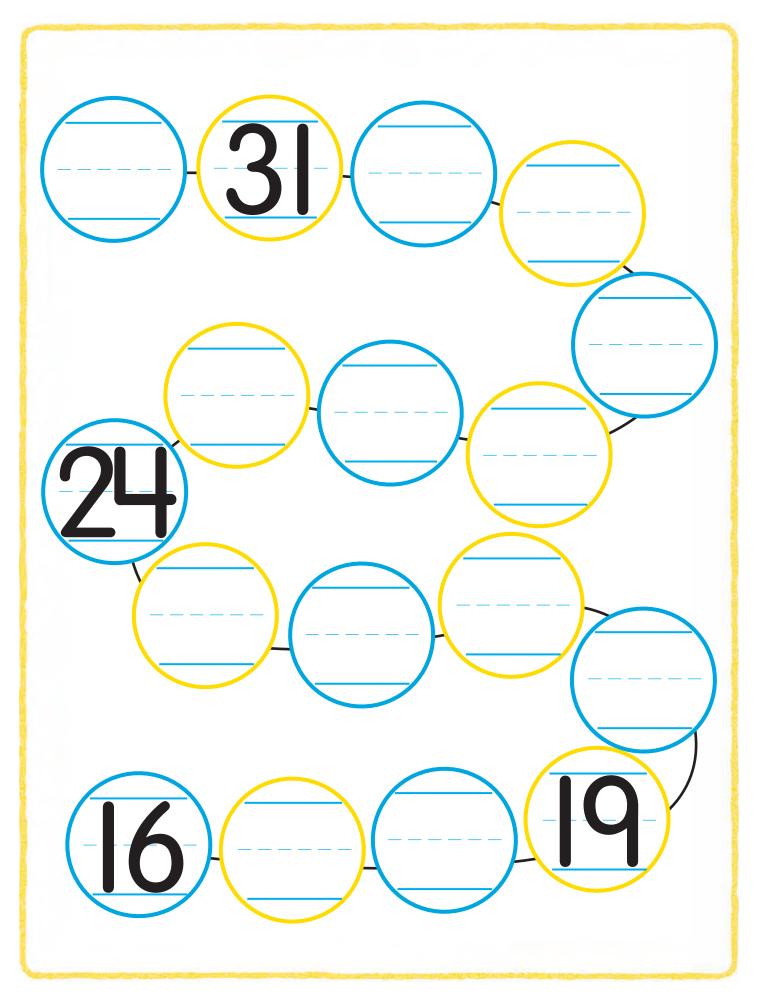
NCTM Standards 1, 2, 6, 7, 9, 10



Write the missing numbers.



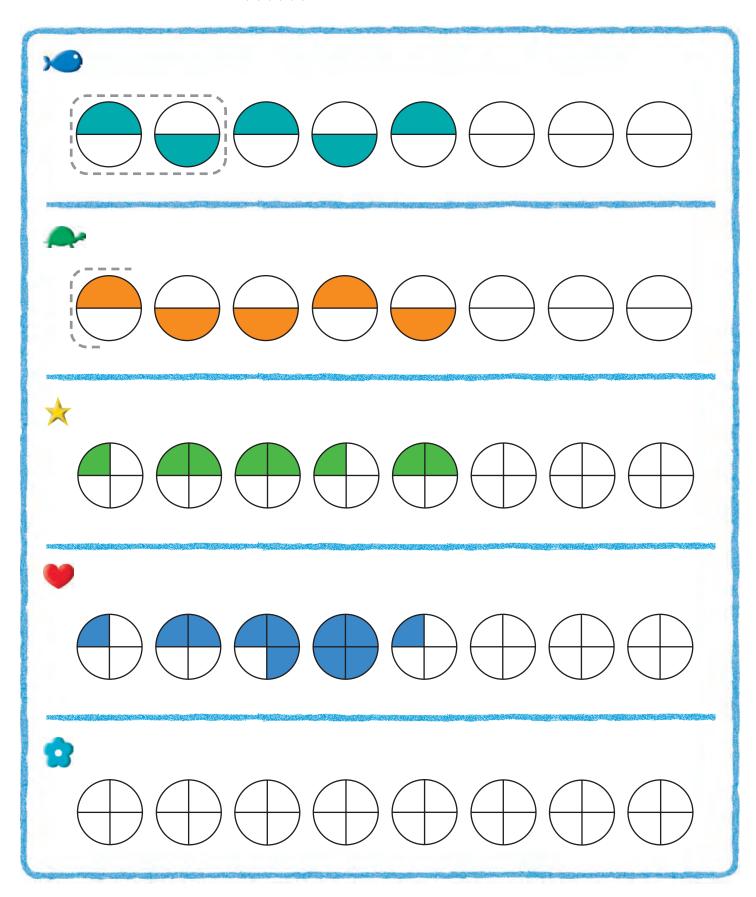
**NOTE:** Your child is learning to count and write numbers to 40. Have your child point to each number on this page and say its name.



Write the missing numbers.

### **More Patterns**

NCTM Standards 2, 3, 6, 7, 8, 9, 10

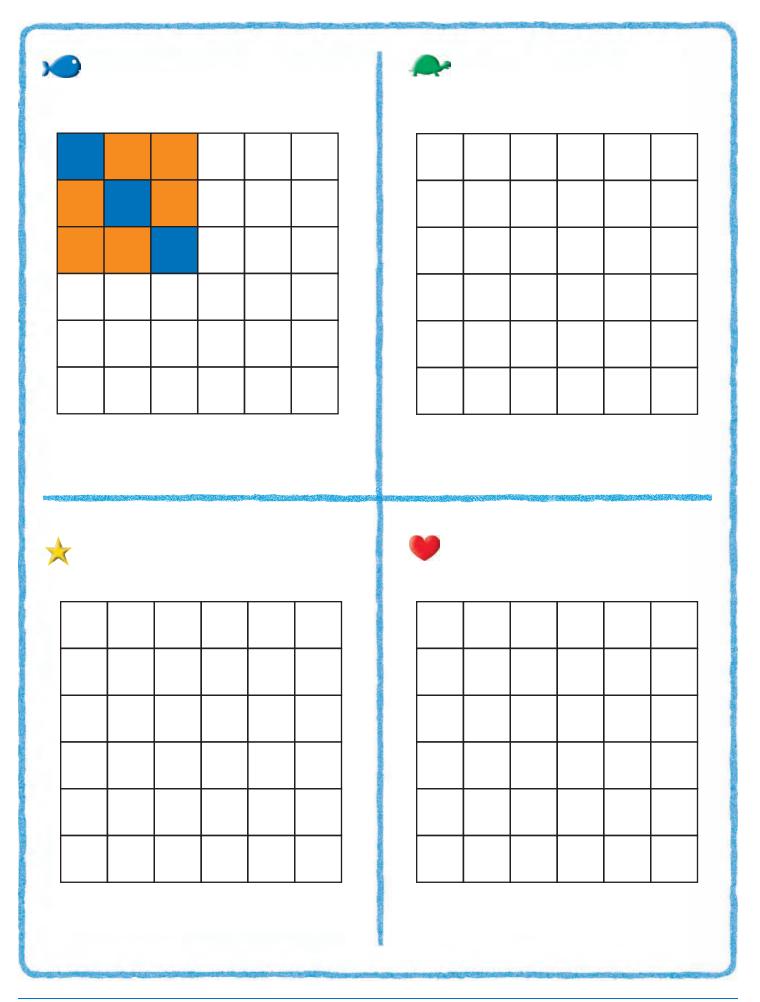


➤ ★ ♥ Circle the smallest repeating part of each pattern. Extend each pattern.

Create your own pattern.



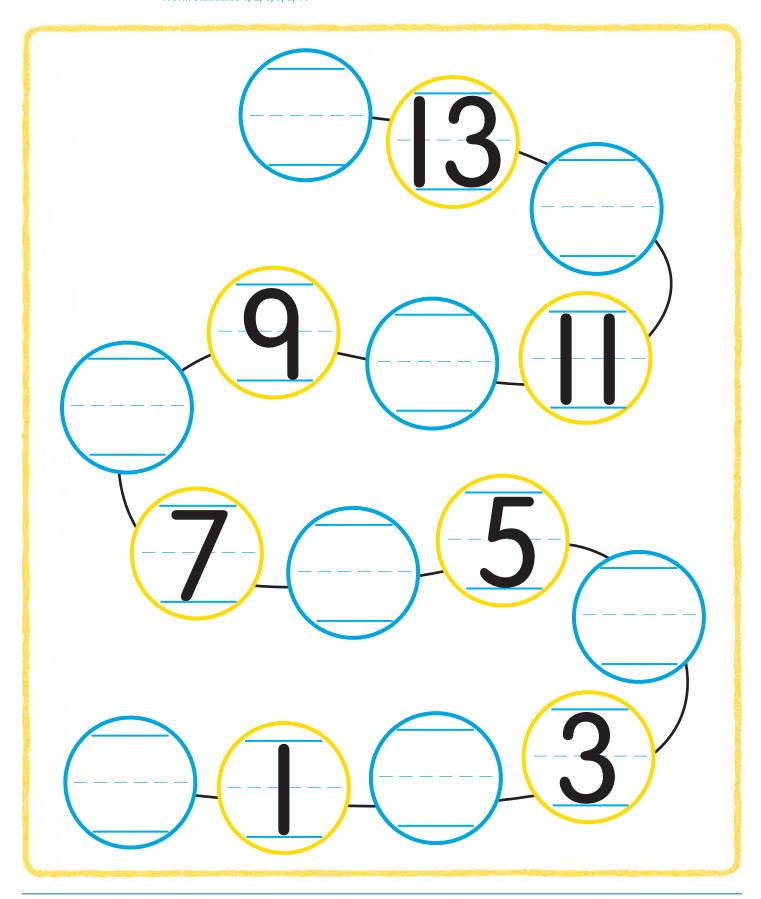
**NOTE:** Your child is learning to identify patterns. Ask your child to describe the smallest repeating part of each pattern on this page.



**Extend the pattern.** 

# Patterns and the Number Path

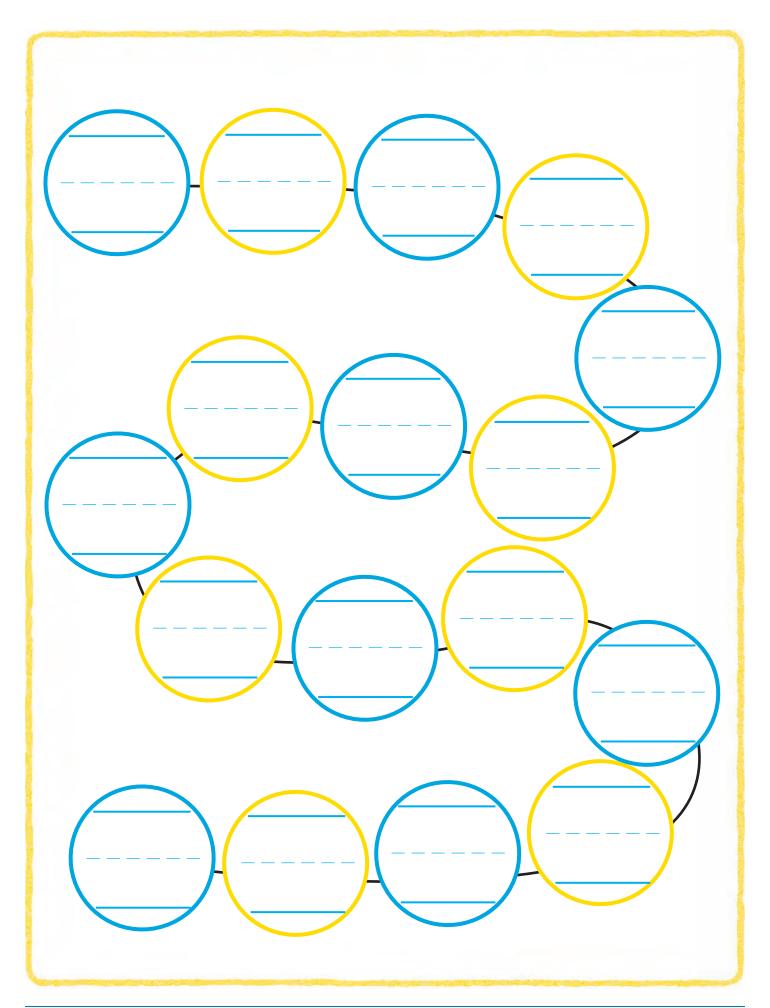
NCTM Standards 1, 2, 6, 7, 9, 10



Write the missing numbers.



**NOTE:** Your child should be familiar with numbers to 40. Name a number and ask your child to tell the number that comes before it and after it.



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Make your own Number Path. Begin with any number you like.

# **Sorting and Patterns**

NCTM Standards 1, 2, 6, 7, 9, 10

		GREEN		YELLOW		1
		<b>_</b>				
	GREEN		YELLOW		All	
-		+			. — — — —	_
					All	

Write number sentences to match the sort.



**NOTE:** Your child has been sorting figures by attributes. Ask your child to tell how the figures were sorted.

## **Making a Picture Graph**

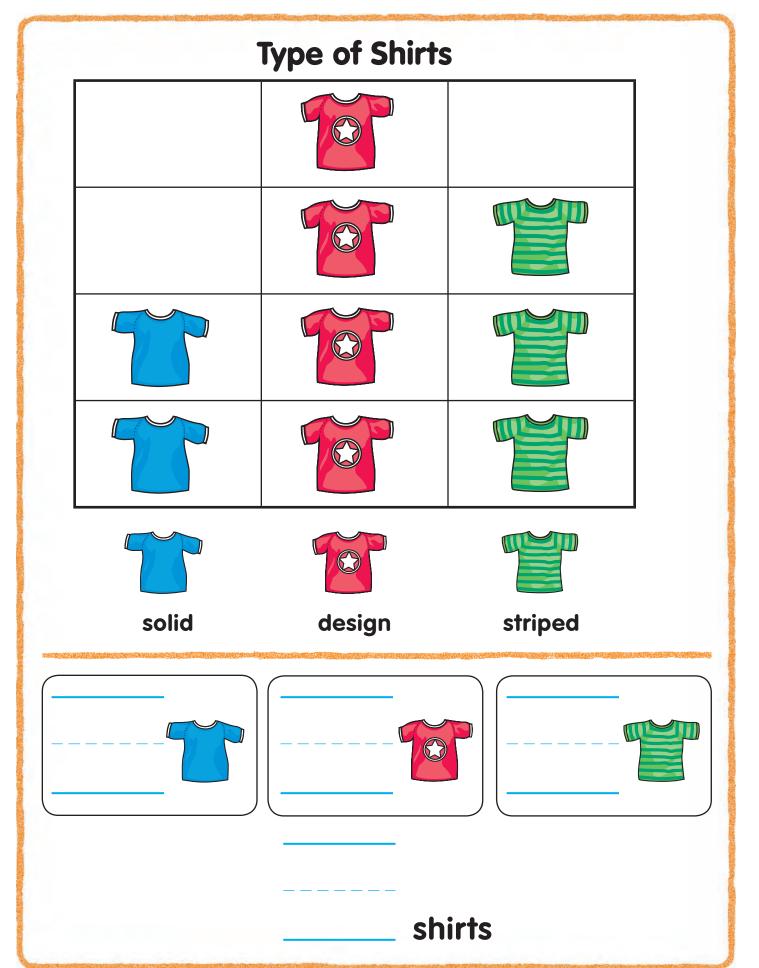
NCTM Standards 1, 2, 5, 6, 7, 9, 10

# **Type of Shirts** striped solid polka dot most least

Look at the graph.

- Circle the type of shirt that appears the most.
- Circle the type of shirt that appears the least.

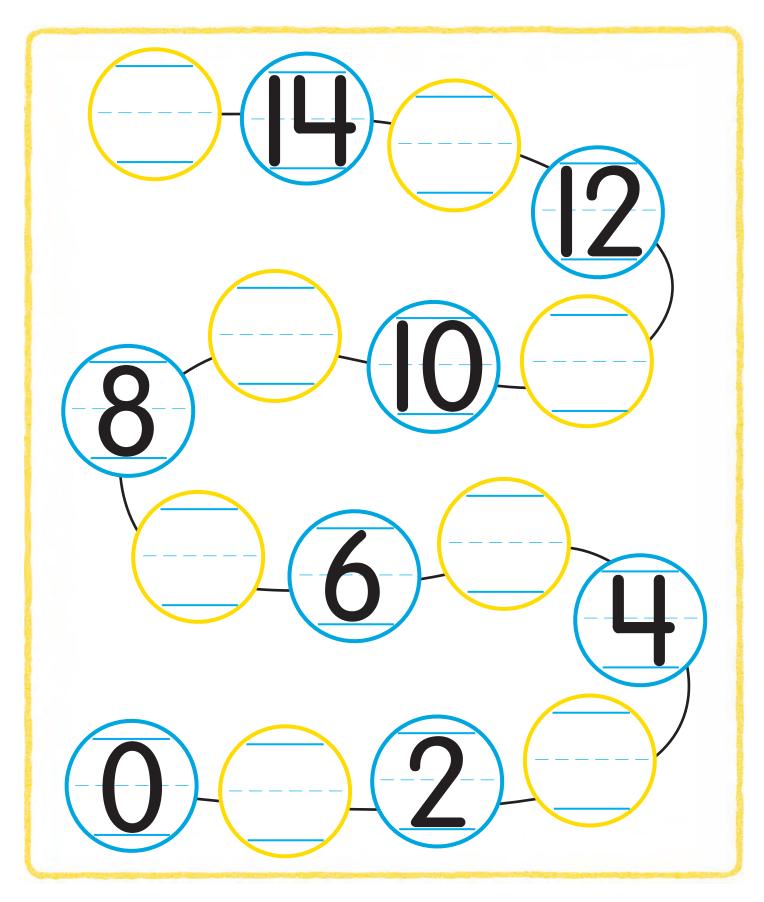




Look at the graph. Write the number that tells how many shirts of each type.

# **Review/Assessment**

NCTM Standards 1, 2, 6, 7, 9, 10



Write the missing numbers.



**NOTE:** This page assesses your child's understanding of number patterns. Ask your child to tell you which numbers were missing in the pattern.

### Kinds of Fruit in a Fruit Bowl

