Name_

Two-Dimensional Figures and Patterns Comparing and Sorting

Sort the objects into two groups.



Chapter 1

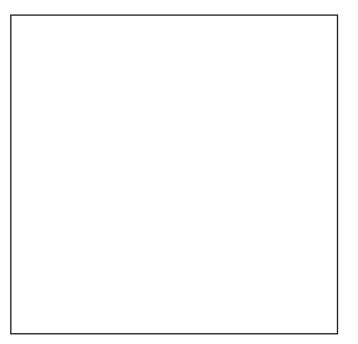
STEP 1 Showing the Groups

Drawor trace the objects to showhow you sorted. Write a name for each group.



You need

• 10 coins, buttons, or shapes





STEP 2 Sorting Another Way

Sort the objects another way. Tell about it



School-Home Connection

Dear Family,

Today we started Chapter I of *Think Math!* In this chapter I will learn about two-dimensional figures and how they are similar and how they are different. I will also learn about patterns and ways to recognize and make patterns with objects, figures, and numbers. There are NOTES on some of my pages to explain what I am learning every day. Here are some activities for us to do together at home. These activities will help me understand two-dimensional figures and patterns.

Love,

Family Fun

Shape Dominoes

Play this game with your child to provide practice drawing and recognizing two-dimensional figures. Your child will play a similar game in school.

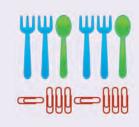
- You will need a red crayon, a blue crayon, and a yellow crayon.
- On a sheet of paper, draw a small or large triangle, circle, square or rectangle using one of the crayons.
- Have your child draw a figure next to yours that is different in only one way—size, shape, or color.
- Switch roles and repeat. Play until you have created a long chain of figures. Have your child tell how the figures differ each time.



Household Patterns

Work with your child to create patterns with common household objects.

- Use common household objects such as forks and spoons, napkins, coins, or paper clips to create patterns.
- Arrange the objects in a row to create a repeating pattern by alternating the object in a certain way, or by placing similar objects in different positions.



For example, you might make a pattern using 2 forks, 1 spoon, 2 forks, 1 spoon, or by placing paper clips in different positions.

Repeat the activity with different objects. Encourage your child to describe each pattern.

2 two

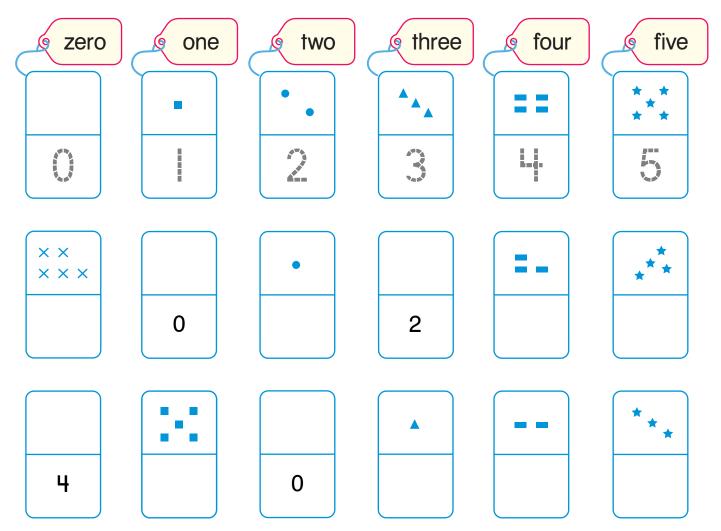


Chapter 1

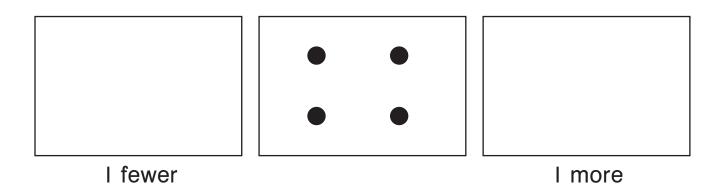
Lesson

Introducing Think Math!

1. Write the number or draw the picture.



2. Draweach set



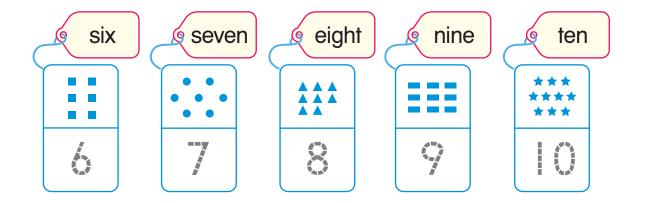


NOTE: Your child is learning to write numbers to match sets of objects. Together, find patterns within the rows and columns on this page.



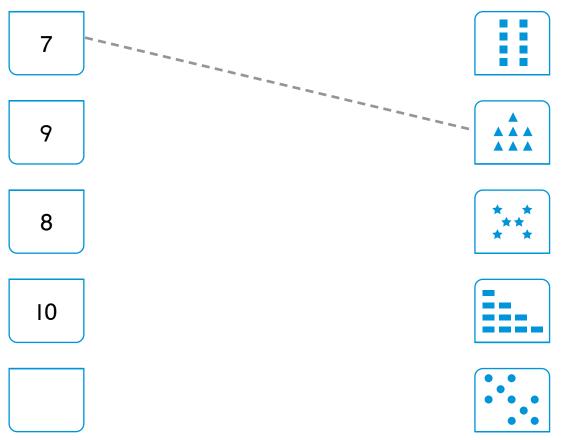


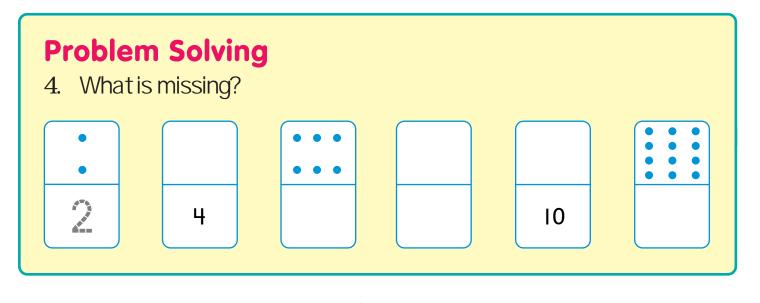
three 3



3. Match.

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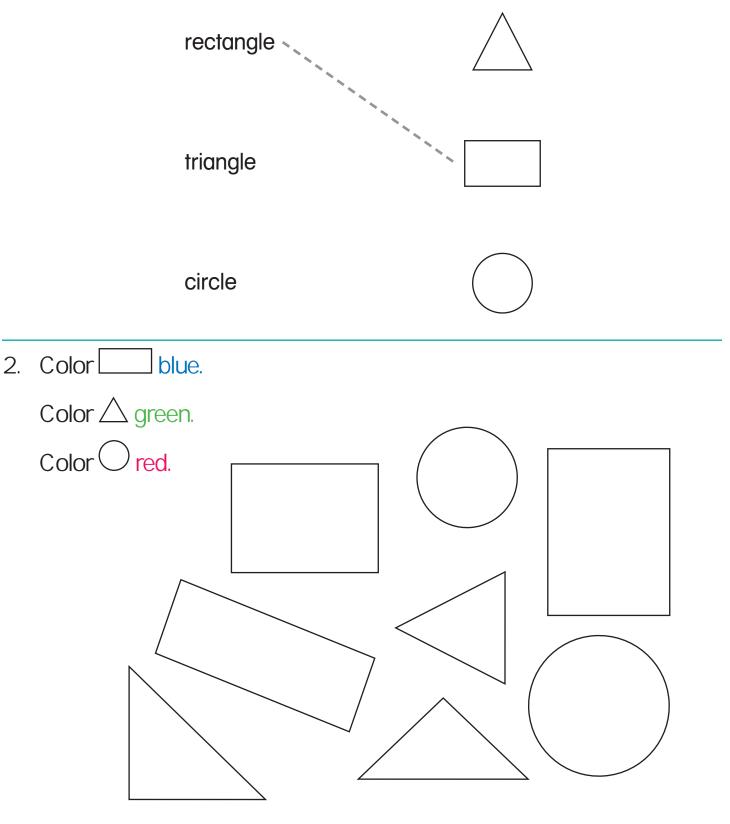
five

Examining Two-Dimensional Figures

1. Match.

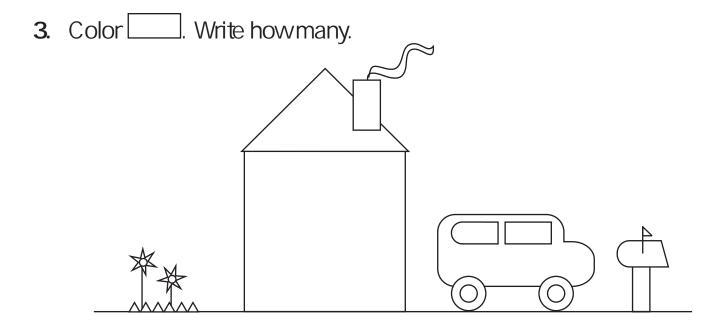
Chapter 1

Lesson 2



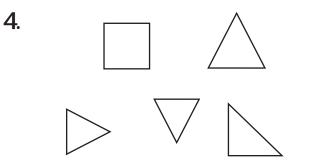


NOTE: Your child is learning to identify and describe two-dimensional figures. Ask your child to name the figures on this page.

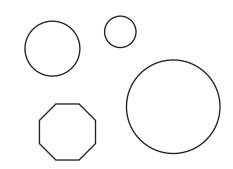


There are _____ rectangles.

Which figure does not belong? Cross it out.



6 six VI 🗐



Challenge 6. Which figure does not belong? Drawa figure that does belong.

5.

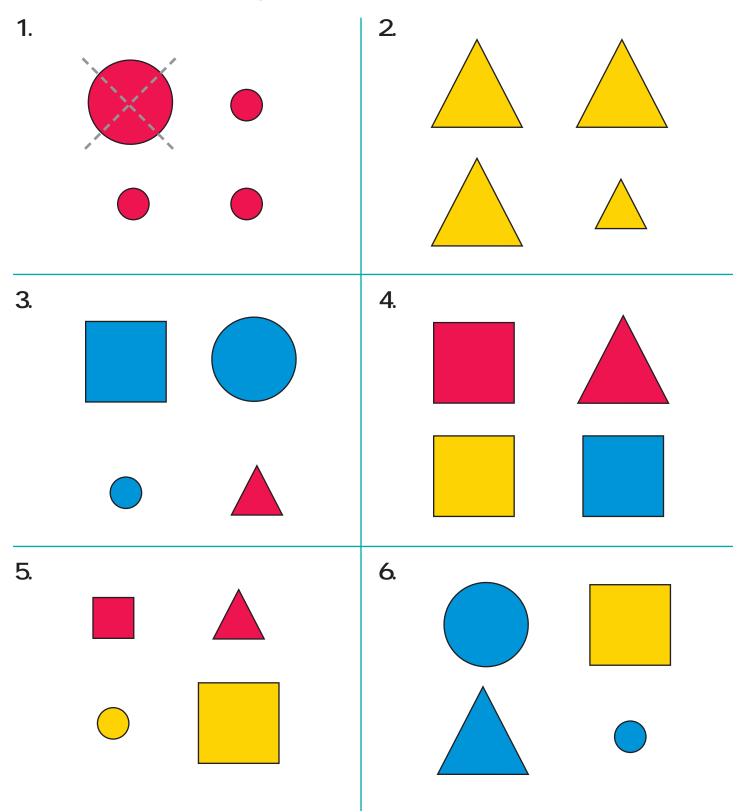
Name_

Chapter 1

Lesson

Sorting by Attributes NCTM Standards 3, 5, 6, 7, 8, 9, 10

Which does not belong? Cross it out.



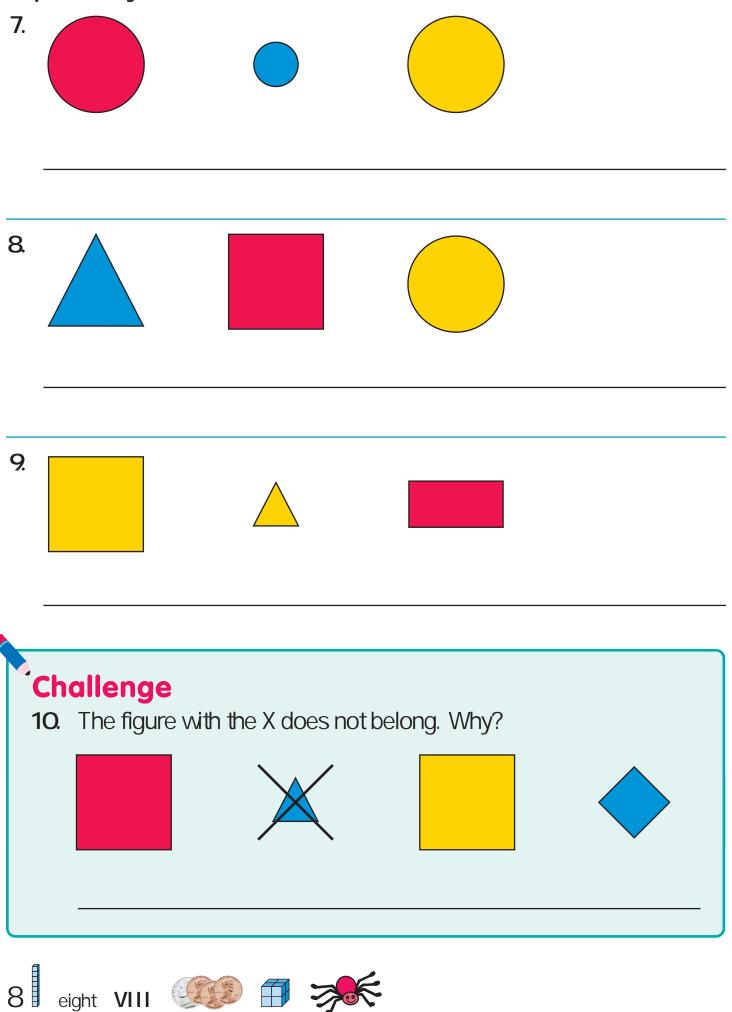
•••

NOTE: Your child is learning to sort objects by color, shape, and size. If you like, ask your child to describe how two figures on this page are similar and how they are different

seven 7

VII

Draw another figure that belongs. Explain why.



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eight VIII

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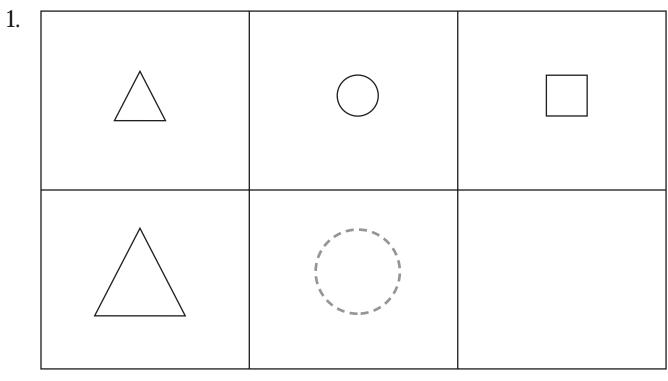
Sorting by More Than One Attribute

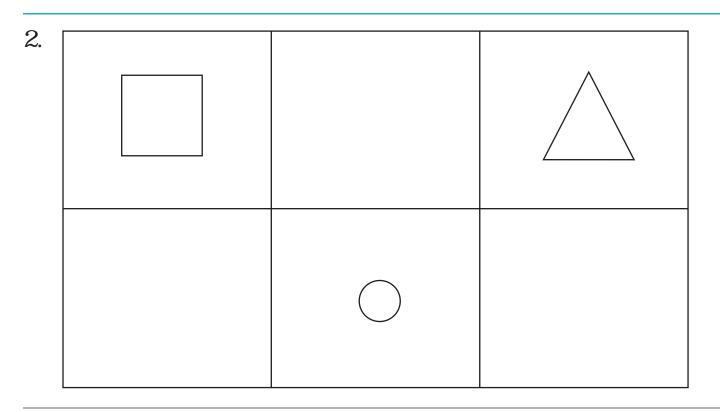
NCTM Standards 3, 6, 8, 9, 10

What is missing?

Chapter 1

Lesson 4







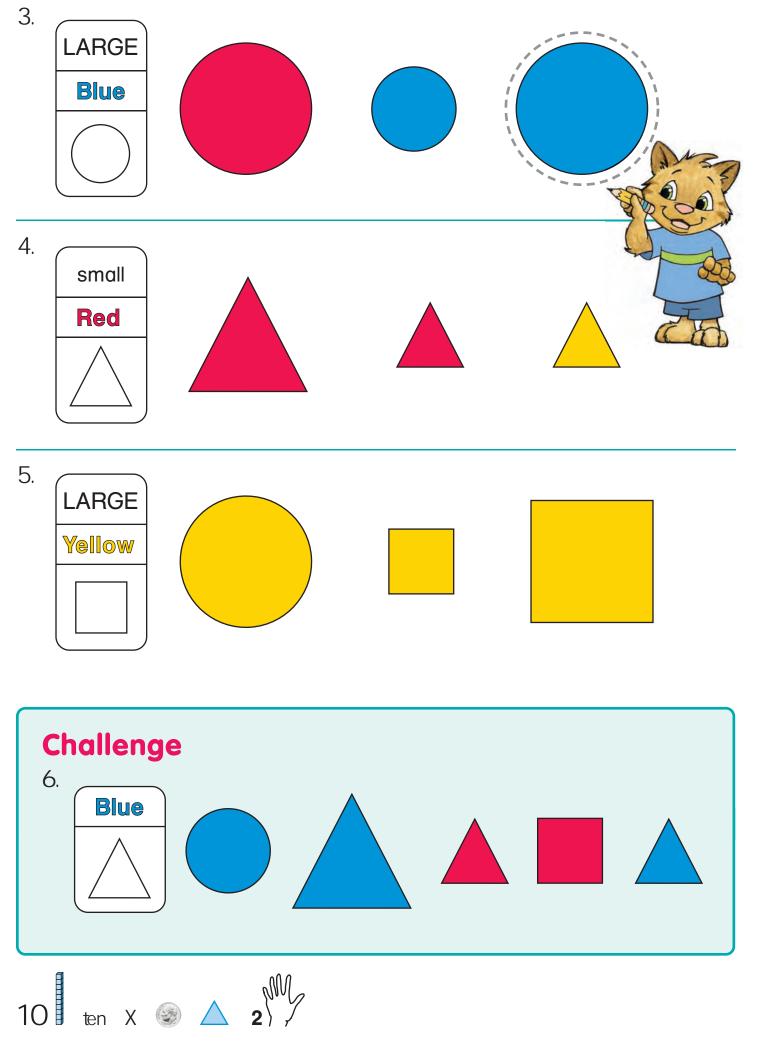
NOTE: Your child is learning to identify similarities and differences. Have your child tell how the figures on this page are the same and how they are different.





9

Which figure is it?



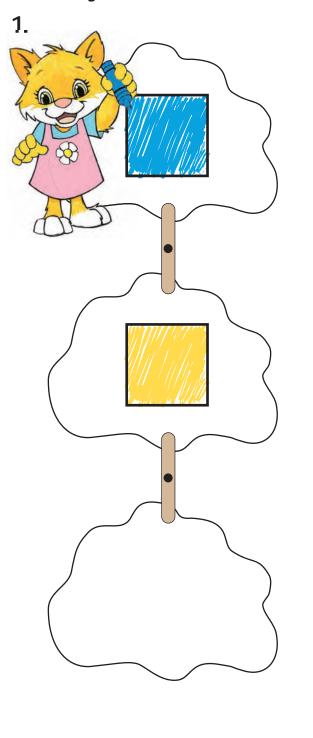
Chapter 1

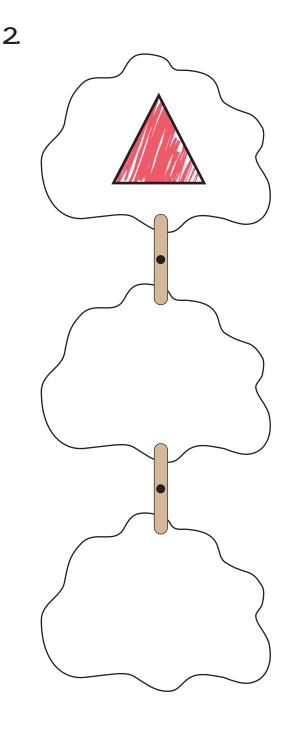
Lesson 5

Counting Differences

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

Draw figures that are different in one way each time.

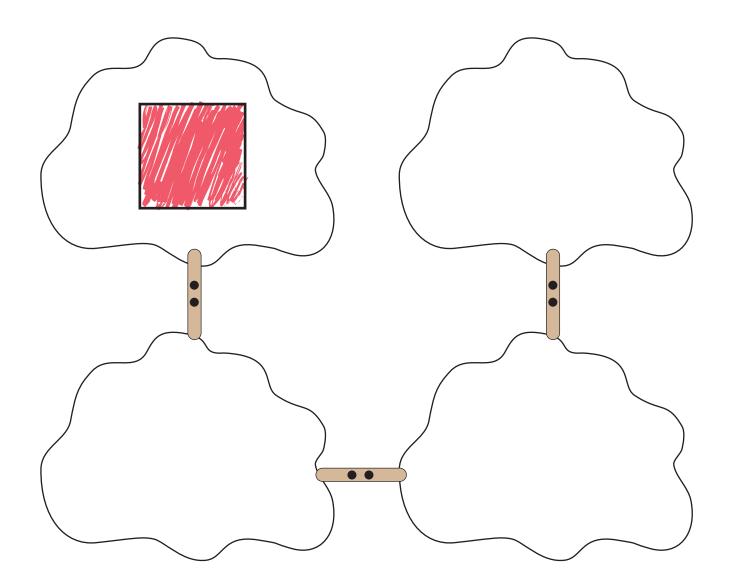


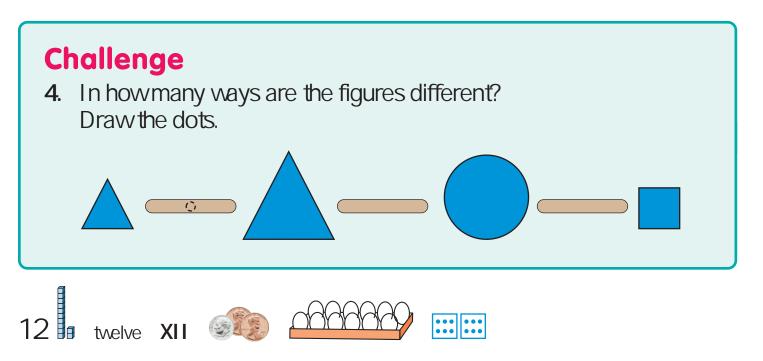


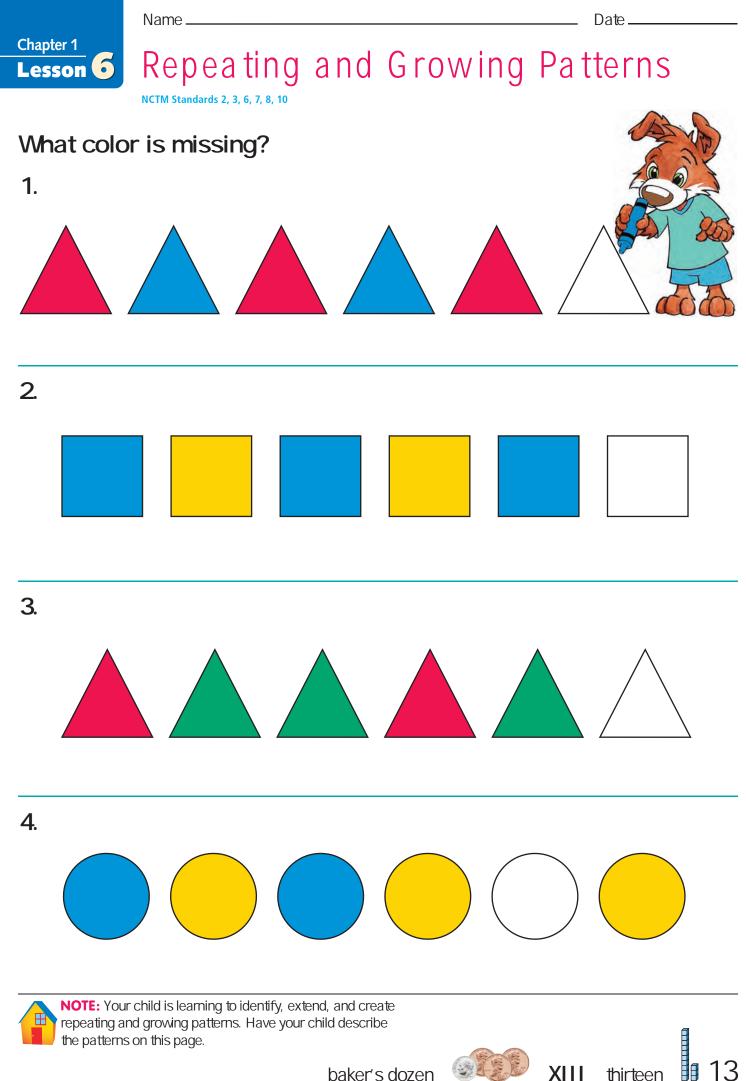
NOTE: Your child is learning to count the number of ways things can be different. These figures can differ in shape, size, and color.



3. Drawfigures that are different in two ways.





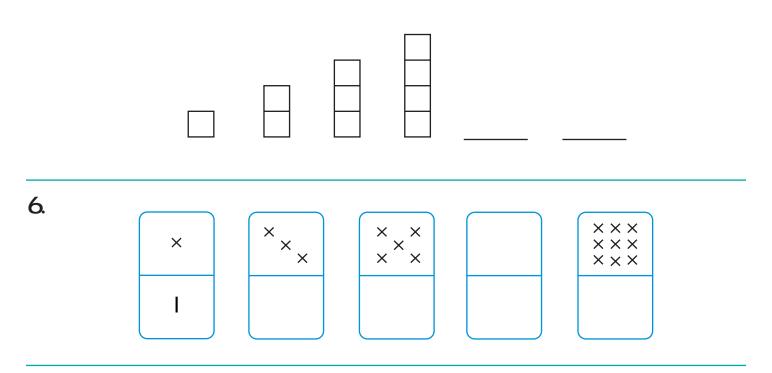


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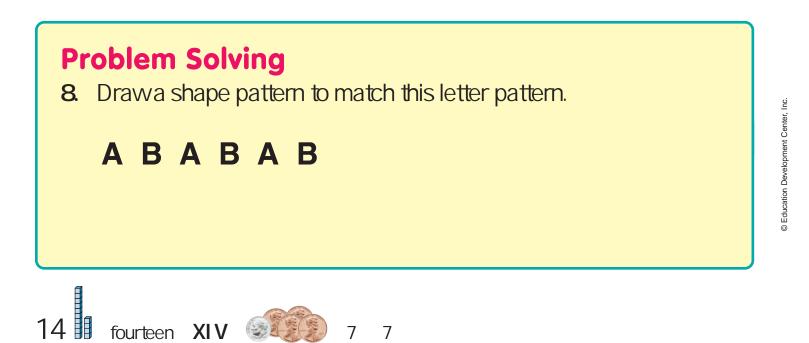
baker's dozen

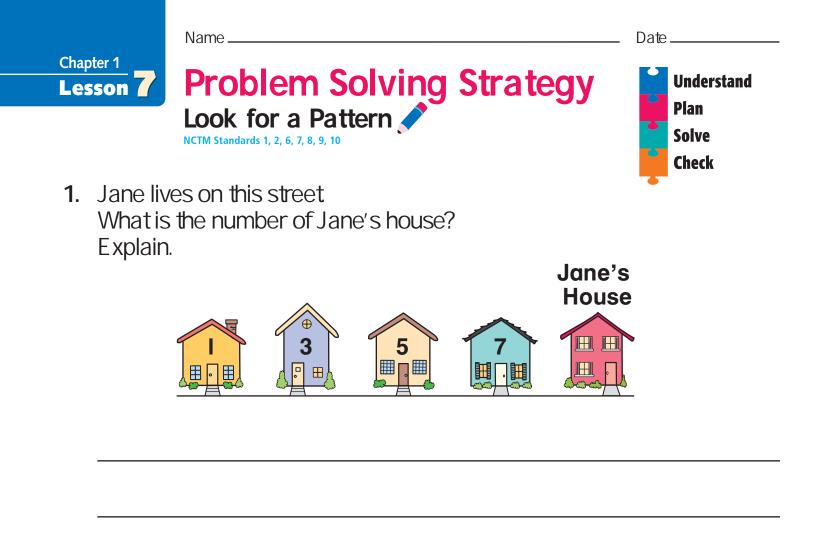
Continue the pattern.

5.



7. Make your own pattern.





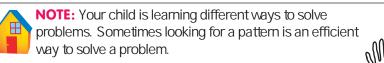
2. Tom lives on this street What is the number of Tom's house? Explain.



15

XV

fifteen



Problem Solving Test Prep

- 1. What numbers are missing?
 - 1 2 3 <u>5 6 8</u> (A) 2 and 9
 - (B) 4 and 7
 - (C) 5 and 6
 - (D) 4 and 5

- 2. You have 5 balloons.Some fly away.How many could you have now?
 - A 1 balloon
 - B 5 balloons
 - © 6 balloons
 - D 10 balloons

Show What You Know

 Bob has 3 apples. Juan has 1 more apple. How many apples does Juan have?

_____ apples

Explain.

4. What comes next?

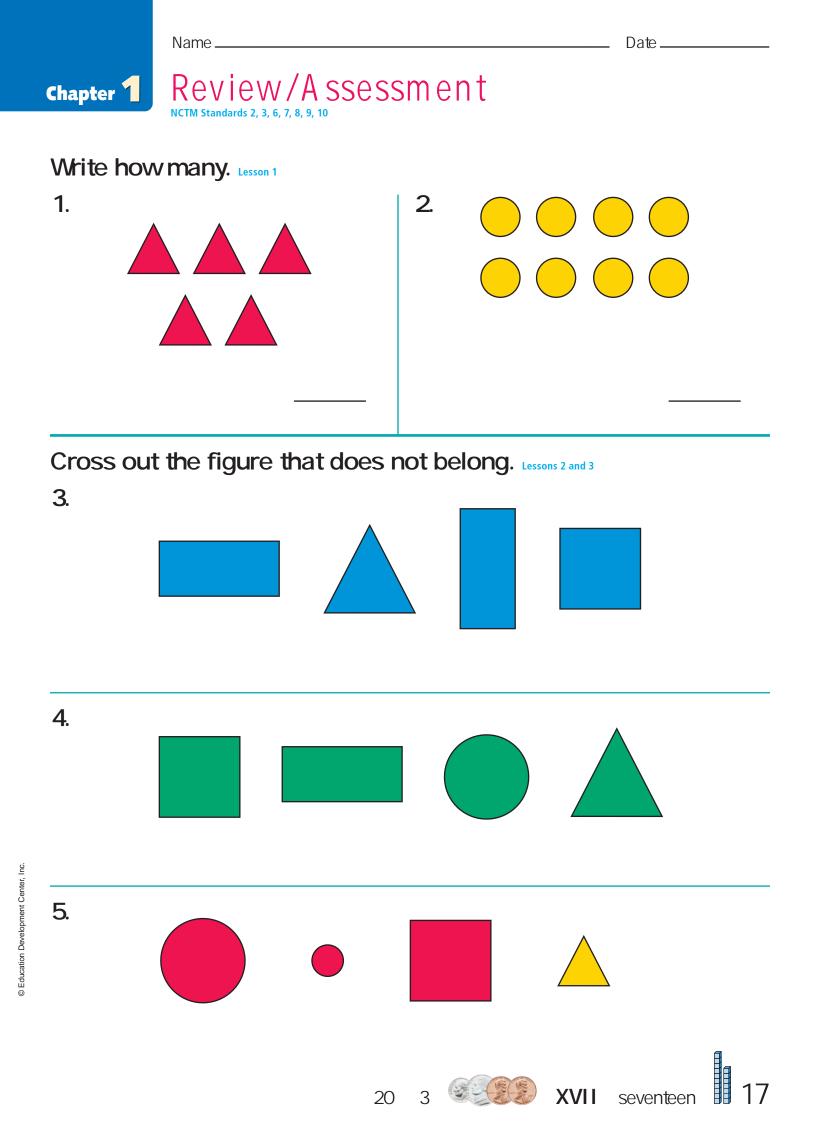


_____ dot Explain hovvyou knovv



8

8



Draweach figure. Lesson 4

6. large red square

7. small blue circle

8. Drawa figure that is different in one way. Lesson 5

