

Lesson 4: Numbers 6-10 (4 Days)

Getting Started

? Questions to Explore

- How do we explain our thinking mathematically?
- How do we show the value of a given quantity?
- What are the different ways to measure an amount?
- How do we make a plan to count numbers?

⦿ Skills

- Develop a plan for counting
- Use manipulatives and graphic organizers to show number values and solve problems
- Recognize the quantity of objects with the corresponding numeral
- Write numbers 6-10 symbolically, numerically, and in word form
- Count to 20, starting at any number less than 20. In this range, read and write numerals and represent a number of objects with a written numeral

✂ Materials

- *Ten Black Dots* by Donald Crews
- abacus (kit)
- base-10 blocks (kit)
- colored dot stickers (kit)
- construction paper (kit)
- construction paper or card stock* (Introduction - optional)
- counters (kit)
- crayons
- crayons* (Activity 5 - Option 2)
- glue
- glue or glue stick* (Introduction - optional)
- Interactive Notebook
- items to count
- number cards (kit)
- pennies, nickels, and dimes
- play dollar bills (kit)
- scissors
- set of double-nine dominoes (kit)

Introduction

Over the course of the next two lessons, your child will be exploring the numbers 6-10 and learning how to represent the numbers in word form and number form as well as symbolically using manipulatives and finger patterns.

Begin by naming a number 1 through 4 and asking your child to name the number that comes after it. Repeat for the other numbers. Then, do the same with numbers that come before using the numbers 2 through 5.

NOTE: To prepare for Activity 7, glue each of the "1-10 Concentration" pages to a piece of construction paper or copy the pages onto card stock paper. Be sure the glue is dry before your child cuts out the cards.

Reading and Questions

Read the book *Ten Black Dots* by Donald Crews. Review the pages that cover numbers 1-5 and finish the book to 10. As you read the book, make sure to have your child touch and count the dots on the page with you. Then ask your child the following questions:

1. Can you find six objects in the kitchen?
2. Can you find eight objects in your room?
3. Can you find ten things outside in the yard?

Activities

Activity 1: Numbers 6-8

Provide a variety of objects and materials for showing numbers (number cards, dominoes, pennies, the abacus, counters, play dollar bills, and base-10 blocks), and ask your child to show you the number 6 using as many of the given materials as she can. Repeat for the numbers 7 and 8. Show her the numbers using some of these items, and ask her to tell you the numbers that you're showing. As you review each number, have your child show you the number using her fingers.

Give your child the "Number 6," "Number 7," and "Number 8" sheets. On each page, she will trace the number, write the number in word form, draw a picture to represent the value of the digit, and color the given number of beads out of 10.

Activity 2: Numbers 9 and 10

As you did previously, provide time for your child to "play" with the numbers 9 and 10 by using the materials provided to show each number. As you discuss each number, have your child show you the number using her fingers. Take turns showing either 9 or 10 and then guessing which number the other person has shown.

Give your child the "Number 9" and "Number 10" sheets. She will trace the number, write the number in word form, draw a picture to represent the value of the digit, and color the given number of beads out of ten.

Day 2

Activity 3: Counting to 10

To review counting to 10, watch and sing along to the "Count to 10 Song" video. Encourage your child to watch it several times until she can sing the numbers in order consistently. To add fun and help her memorize the song and numbers, ask your child to choose body movements to add to the song as she counts.



Count 1 to 10 Song

www.beyondthepage.com/link/5330/

Activity 4: Book Activity

In this activity your child will complete the dot counting book she started in Lesson 1. Give your child colored dot stickers. Encourage her to place the correct number of dots to correspond with the number and to draw a picture to represent the value of the number. Remind her of the theme that she selected when she first started her book.

After she has completed the book (through the number 10), encourage her to practice writing the names of the numbers in the back of it. Once your child has completed her number book, have her place it in the Interactive Notebook to reference later.

Activity 5: Number Sort

In this activity, your child will use what she has learned about the numbers 1-10 to sort given images by number, word form, and picture. She will begin by cutting out each of the images along the dotted lines on the "Number Sort" sheet. Once that's finished, help her set up for her sorting by gluing the terms "Number," "Word Form," and "Picture" to the top of a piece of construction paper. Ask her to begin with the number 1 by gluing the number 1, the word "one," and the picture showing 1 item under the correct terms. Once she has finished with the number 1, she should go on to the number 2, and so on. Make sure that she places the numbers in the correct order as she works.

Day 3

Activity 6: Count & Match

Set out different quantities of objects, and ask your child to match a number card to the quantity given. For example, you might show 10 pennies, 8 spoons, or 7 blueberries, and your child should select and show the corresponding number card.

Now, tell your child that she is going to count the number of objects in each group on the "Count and Match" sheets and match each group to the correct number.

When your child completes the sheets, review the answers with her, and clear up any misunderstandings. Make sure your child is counting each object one at a time by placing her finger on each one as she counts orally. This will help you assess the errors in her counting.

Activity 7: 1-10 Concentration

Give your child the sheets "1-10 Concentration," and ask her to cut out the cards on them along the dotted lines. (You should have already either copied the pages onto card stock paper or glued each one onto construction paper.) Once the cards are cut out, mix them up and place them face down in rows. You and your child will take turns turning over two cards at a time to make pairs by matching the numbers with the correct number of dots. When a pair is made, the player keeps the cards. When a pair is not made, he turns the cards over and the play goes to the other player. The player who ends up with the most cards is the winner.

Day 4

Activity 8: Using 5 To Make Greater Numbers

Show your child the abacus and ask her how many yellow beads are on the top wire. She should note that there are 5 yellow beads on the top wire, and she may note that there are 5 yellow beads on the next wire and other wires, too. Tell her to move the 5 yellow beads on the top wire to the right side of the abacus. Now ask her which number comes after 5. Allow her to count on her fingers as needed. Once she tells you that 6 comes after 5, ask her how she can show 6 on the abacus. She should move 1 blue bead to the right next to the yellow beads. Tell her that 1 combines with 5 to make 6.

Ask your child to show each of the following numbers on the abacus: 7, 8, 9, and 10. As she shows each number, tell her to say, for example, "2 combines with 5 to make 7." When she has shown all of the numbers 7 through 10, teach her the following rhyme with hand and body motions:

Number Chant
6 is 5 and 1 Doing math is fun. (shake hands in the air)
7 is 5 and 2 What math do you like to do? (point at other person)
8 is 5 and 3 You can do math like me. (point to self with thumbs)
9 is 5 and 4 We should learn some more. (arms wide out to sides)
10 is 5 and 5 We make math come alive. (jump up and down)

The chant is also located on the "Number Chants" sheet. Keep this sheet in the Interactive Notebook for future reference. After you've both practiced the rhyme a few times, give your child the "Combining With 5" sheet to complete.

Activity 9: Connect the Dots

To build her skill with counting to 10, your child will play the game at the following web link.



Counting Objects to 10

www.beyondthepage.com/link/12977/

Wrapping Up

Invite your child to create collections of 10. For example, she might put 10 pennies in a baggie, or she might put 10 crackers on a plate. Challenge her to find 10 of the same type of toy or other item in the house (for example, 10 forks or 10 stamps).

Life Application

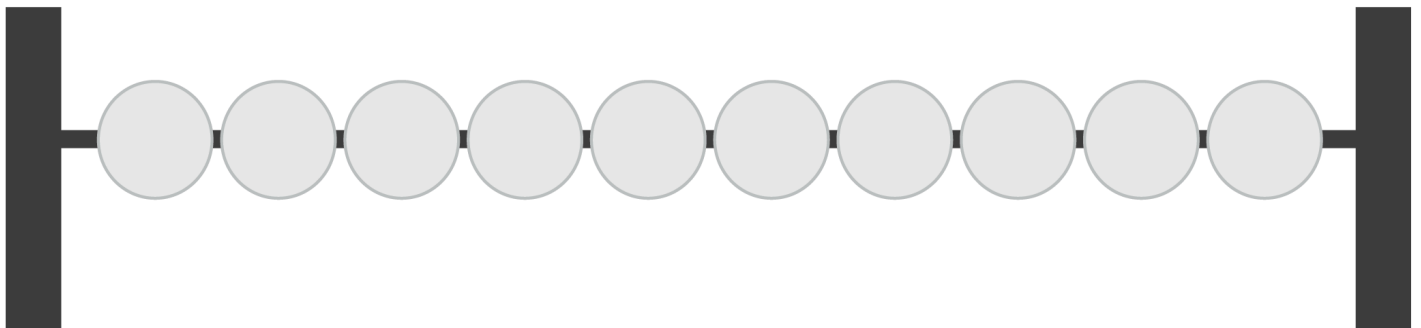
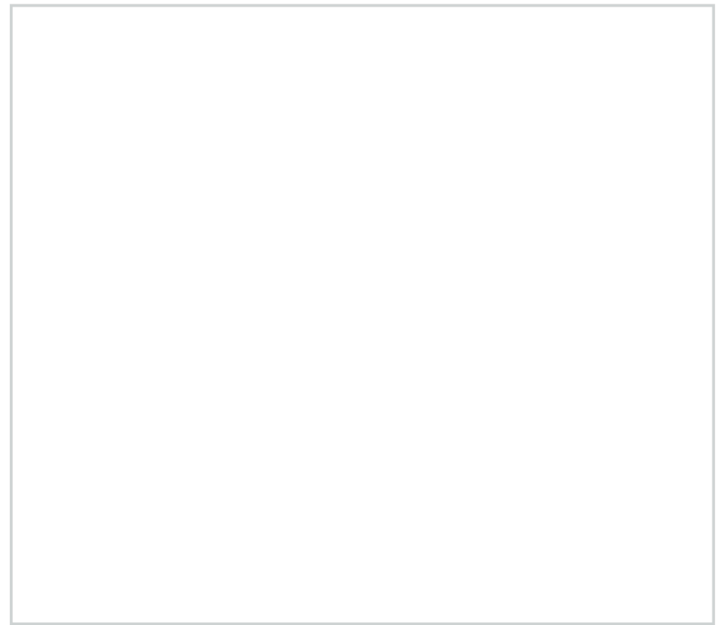
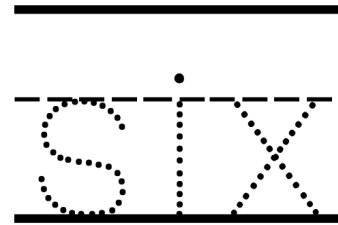
Now that your child has been introduced to the numbers 1-10, encourage her to count objects around the house, at the store, or in the yard. Find as many real-life applications as possible. For example, when at the store, you can ask your child to tell you how many bananas are in a given bunch.

Learning Gates

Have your child take the [Learning Gates quiz](#) for this lesson.

NUMBER 6

Directions: Trace the number, write the number word, draw a picture to show the number, and color the beads to show the number.

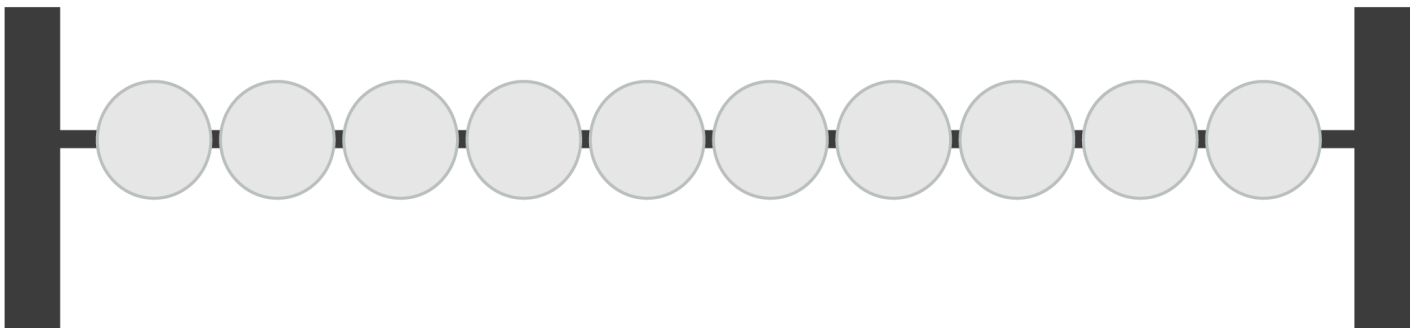
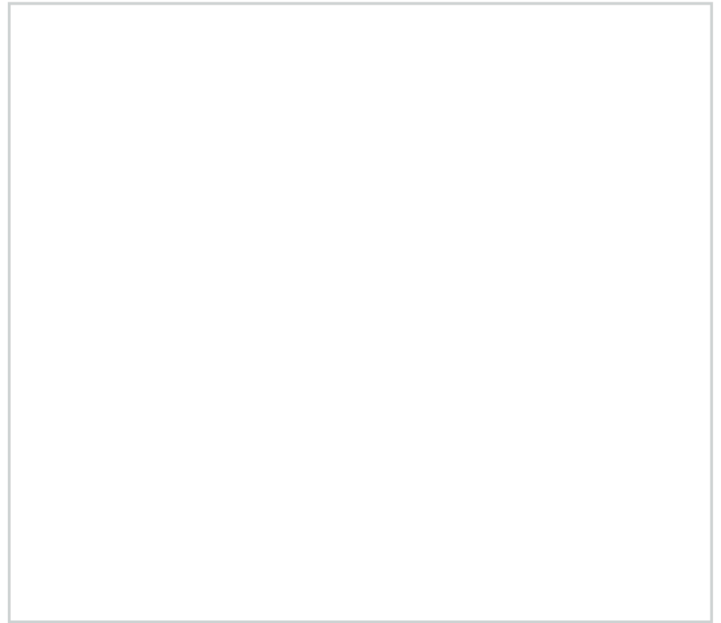


NUMBER 7

Directions: Trace the number, write the number word, draw a picture to show the number, and color the beads to show the number.

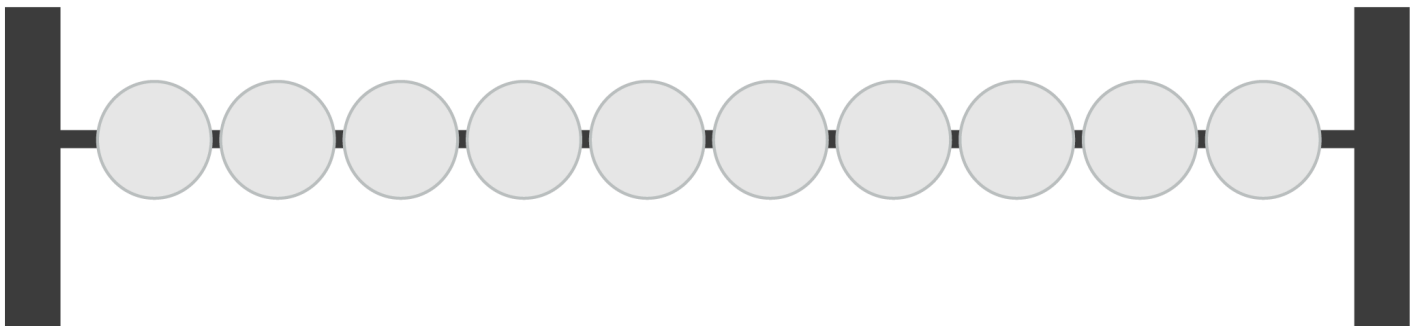
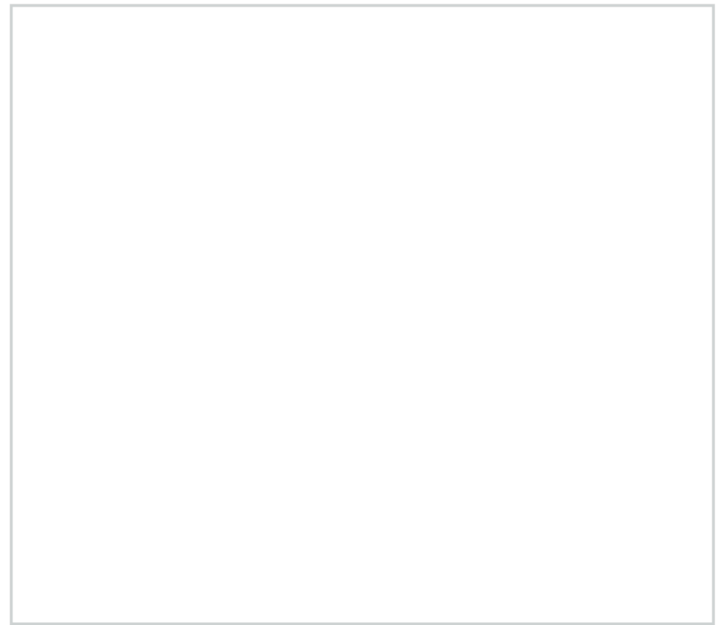
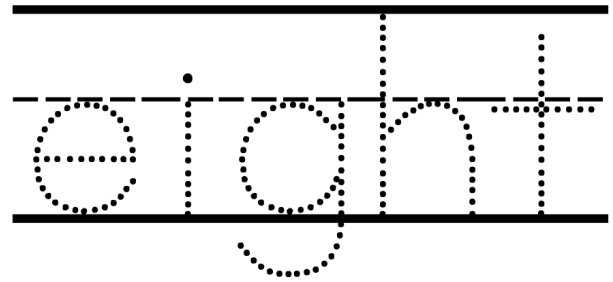
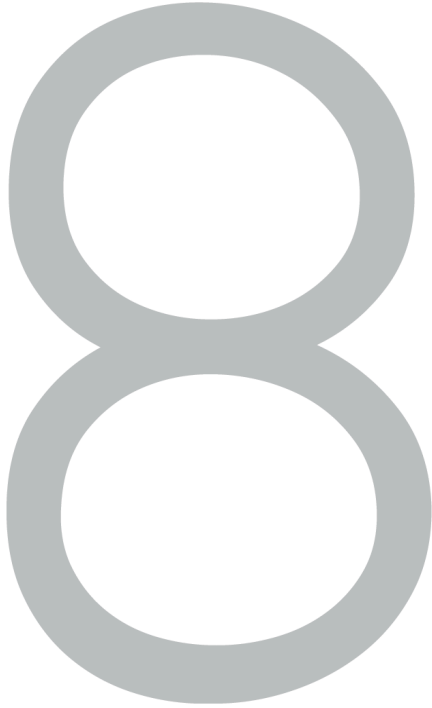


seven



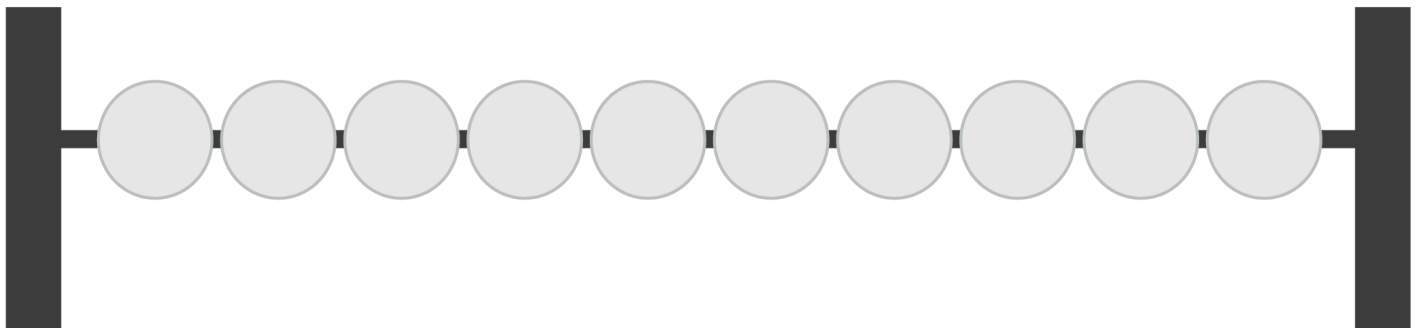
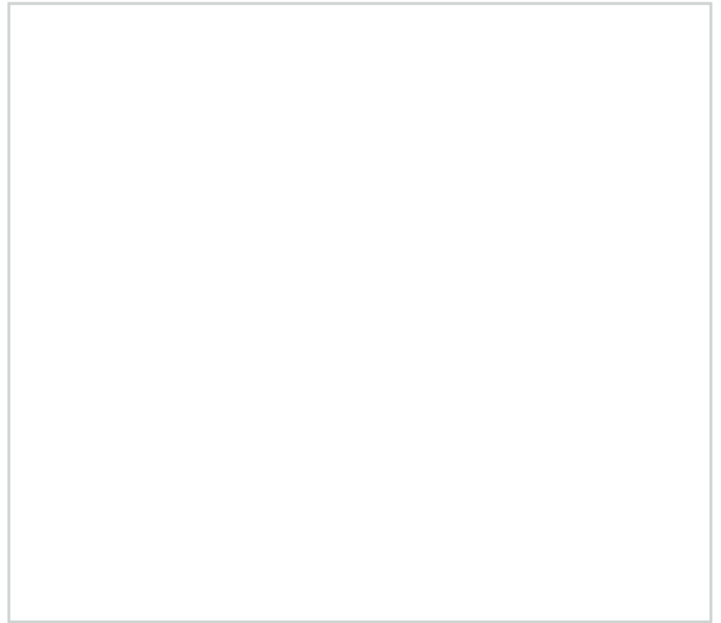
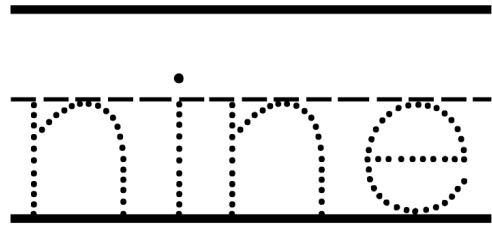
NUMBER 8

Directions: Trace the number, write the number word, draw a picture to show the number, and color the beads to show the number.



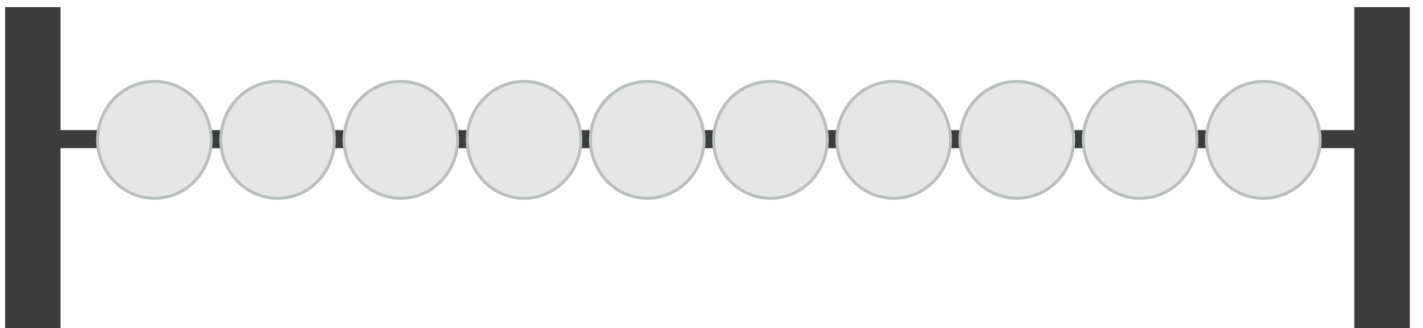
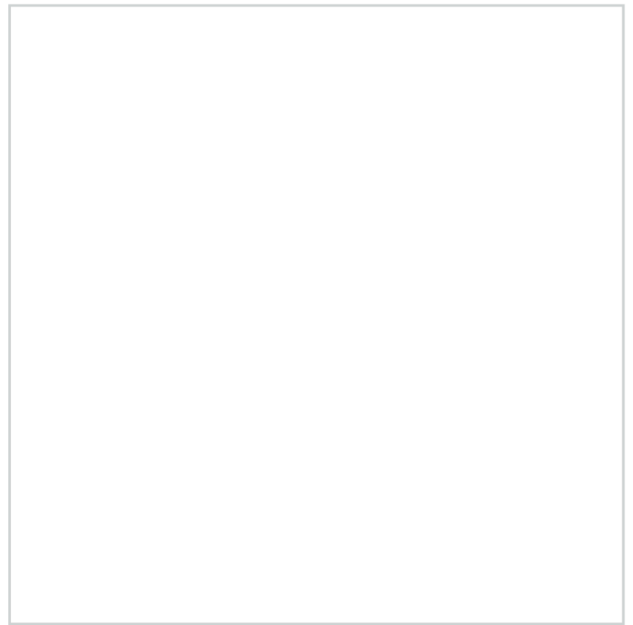
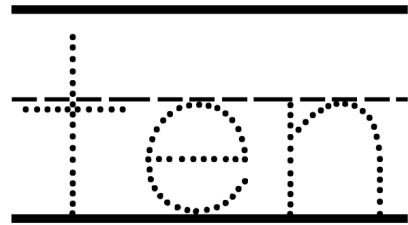
NUMBER 9

Directions: Trace the number, write the number word, draw a picture to show the number, and color the beads to show the number.



NUMBER 10

Directions: Trace the number, write the number word, draw a picture to show the number, and color the beads to show the number.

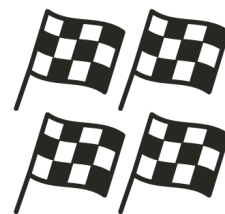


NUMBER SORT

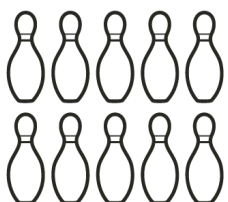
Directions: Cut out the squares and sort each number on your construction paper by the given categories.

5

eight



3

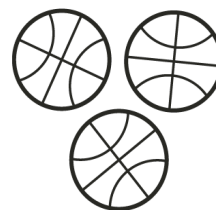


1

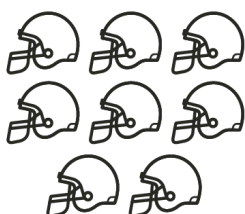
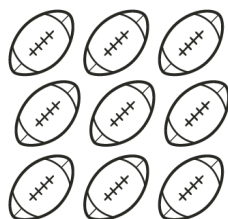


seven

four



one



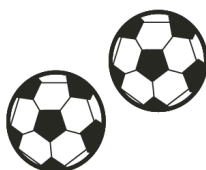
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two

8

6

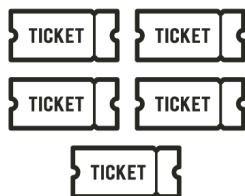
10



nine

4

three



7

six

ten

9

five

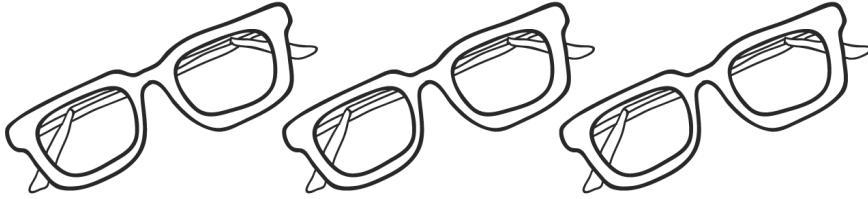
Number

Word
Form

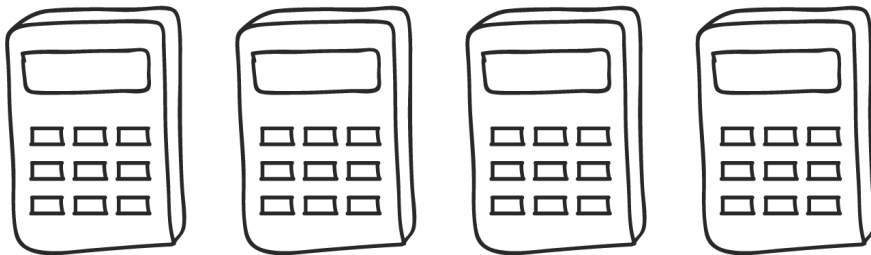
Picture

COUNT AND MATCH

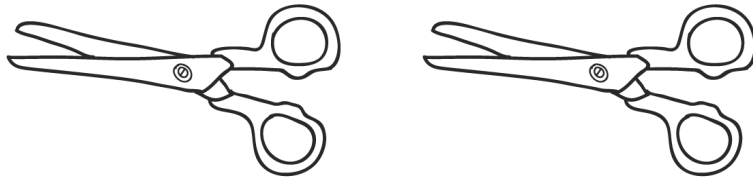
Directions: Count the row of objects and draw a line to the correct number.



4



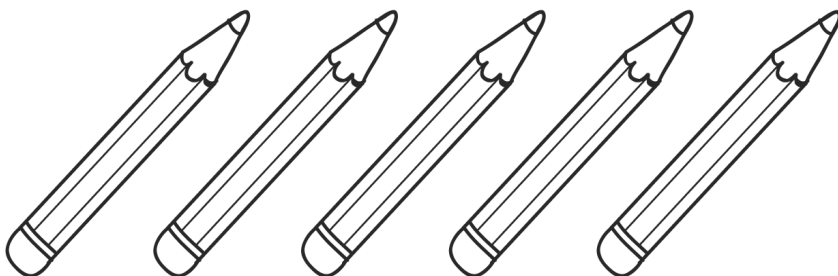
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1



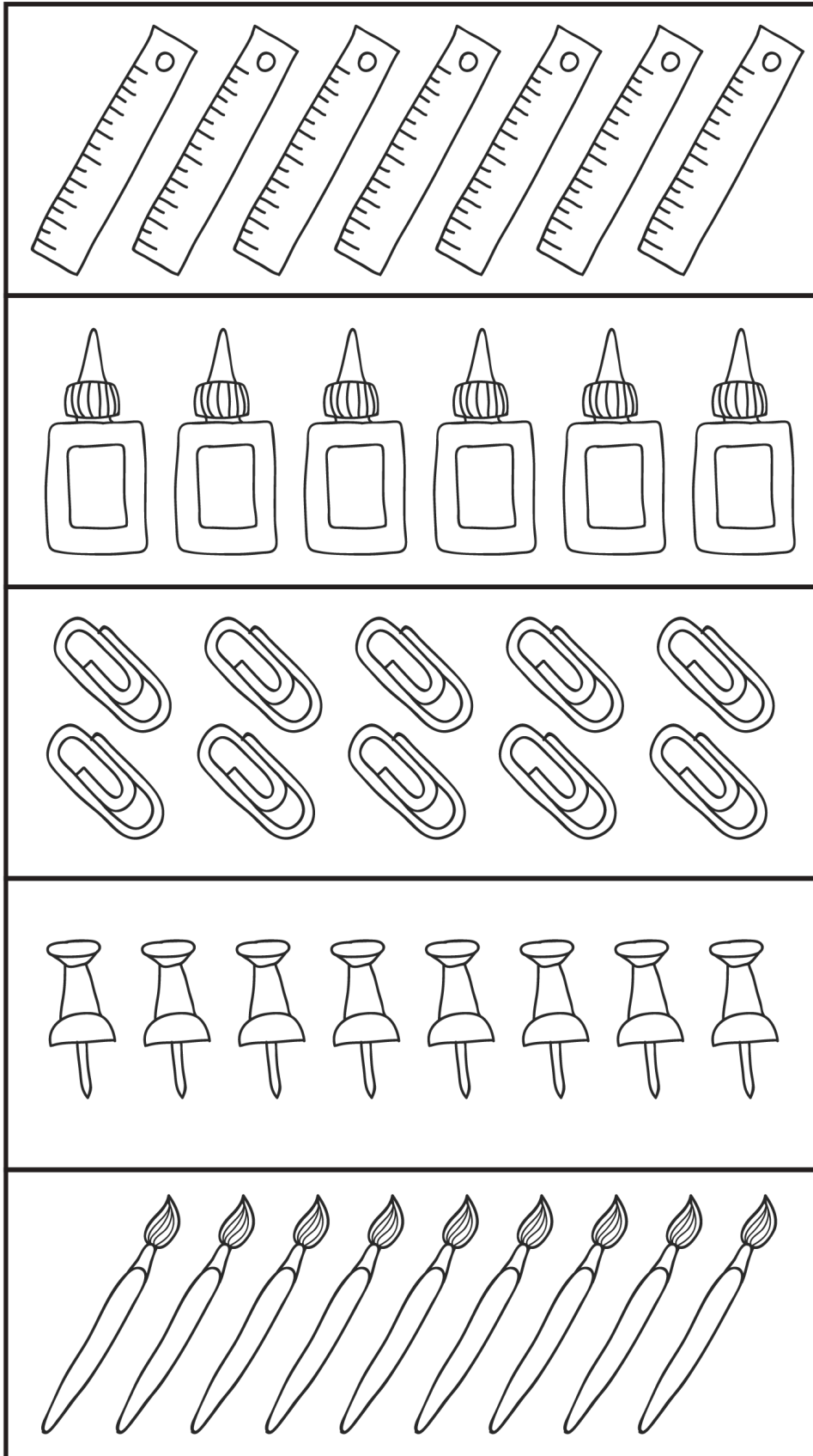
5



3

COUNT AND MATCH

Directions: Count the row of objects and draw a line to the correct number.



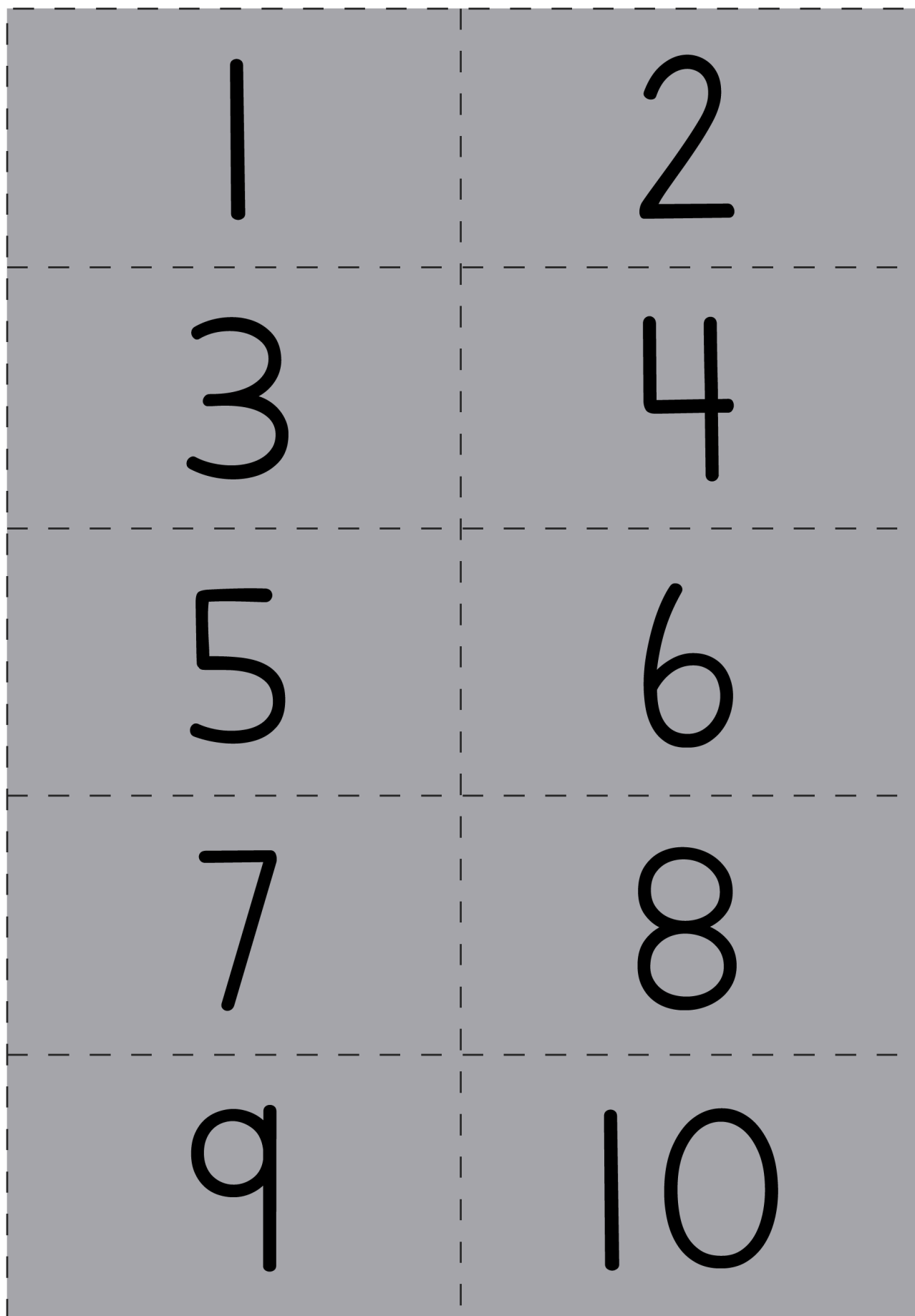
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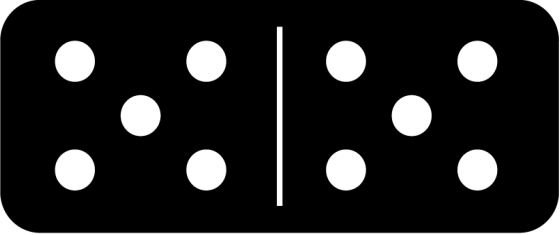
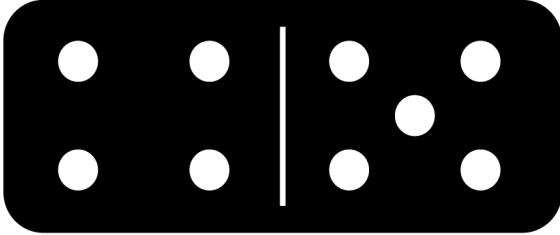
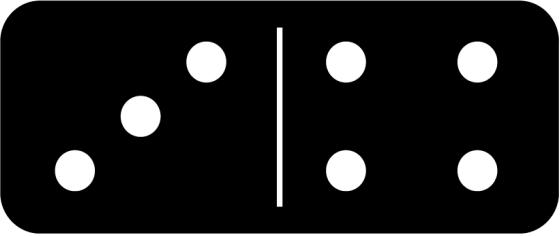
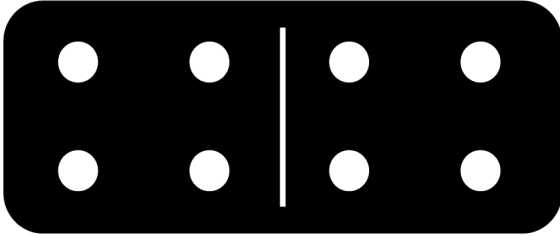
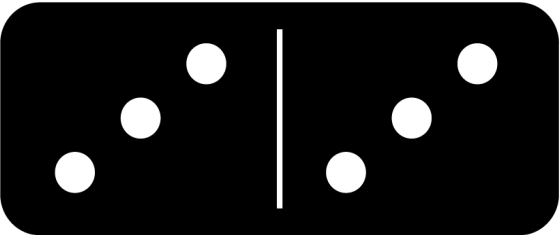
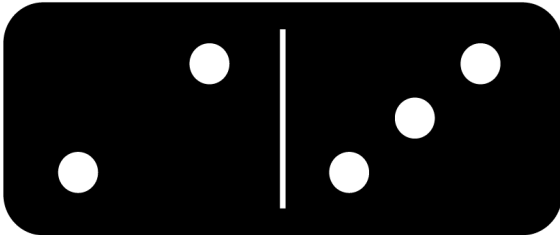
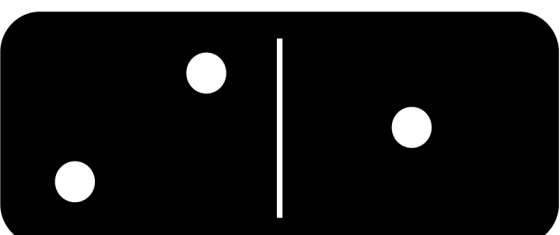
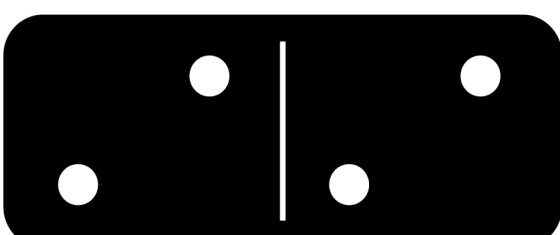
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6

10

8



NUMBER CHANTS



6 is 5 and 1

Doing math is fun.

7 is 5 and 2

What math do you like to do?



8 is 5 and 3

You can do math like me.

9 is 5 and 4

We should learn some more.



10 is 5 and 5

We make math come alive.



Combining With 5

Instructions: Draw more beads to make the correct number.

