



peg + cat



EDUCATOR RESOURCE

Numbers and Counting

WATCH

Peg and Cat are always learning a thing or two (or three or four or more!) from their chicken friends. On the farm in **The Chicken Problem**, the problem-solving duo must round up 100 unruly chickens by choosing wheelbarrows that are just the right size. And when those chickens make a surprise appearance in outer space in **The Space Creature Problem**, Peg and Cat must count by tens all the way to 100 to save them from the hungry space monster, Big Mouth. Visit our online resource site at pbskids.org/learn to view video clips from these episodes with your group, and get ready for some chicken-counting fun!

PLAY

Kids can have more fun with Peg, Cat, and their barnyard friends online, where the group stars in **Chicken Dance**, **Scrub-A-Dub**, and **3-2-1 Snack**, a series of farm-themed games that focus on counting, patterns, and size.

And, in **Rock Art** and **Star Swiper**, kids can practice counting to 10 and beyond – even all the way up to 100. Find all games online at pbskids.org/learn.

EXPLORE

The hands-on activities on the following pages can be played in small or large groups to reinforce counting skills – and can be downloaded as PDFs from pbskids.org/learn:

- **Count Your Chickens:** Children will practice number recognition and counting as they go on a chicken hunt.
- **Chicken Feed:** Children will count by tens to 100 as they race to feed one very hungry chicken.

SHARE

At home, children can practice their counting skills as they work with an adult to sequence pictures and create a **Peg + Cat flip book**. In this resource is a Parent Letter that you can send home with each child explaining the lessons they've learned today and directing parents and caregivers to the flip book activity at pbskids.org/learn.

All video clips, games, and activities in this resource can be found at pbskids.org/learn



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Dear Parent,

Today, your child practiced recognizing numbers and counting with **Peg and Cat, the problem-solving, math-loving duo from PBS KIDS**. Be sure to ask your child about the game(s) we played to find and feed a flock of hungry chickens. These fun group activities – a chicken scavenger hunt and relay game – had us counting to 10 and by tens to 100. You can encourage your child to continue exploring these and other early math concepts online at pbskids.org/peg.

At home, you and your family can join in the fun by creating a simple *Peg + Cat* flip book. Have your child choose from four designs online, print out the pages, and put them in order from one to 24. Then flip the pages to see the characters move! This activity is simple to do and helps children practice their counting skills. You can find instructions at pbskids.org/learn under “Numbers and Counting.”

Learning math skills at a young age is important so that children can succeed in school and in life. *Peg + Cat* makes math fun! Your family can watch the show weekdays on your public television station and anytime at pbskids.org.

Estimados padres:

El día de hoy, su hijo practicó el reconocimiento de números y conteo con **Peg y Cat, el dúo de personajes de PBS KIDS, a quienes les fascinan las matemáticas y resolver problemas**. Pregunte a su hijo sobre el (los) juego(s) que jugamos sobre encontrar y alimentar a un grupo de pollos hambrientos. Estas actividades grupales divertidas, como la búsqueda del tesoro y el juego de los relevos, nos han entreído contando hasta diez, y de diez en diez hasta cien. Usted puede motivar a su hijo a que continúe explorando estos y otros conceptos básicos de matemáticas en línea en pbskids.org/peg.

En casa, usted y su familia pueden unirse a la diversión creando un simple libro animado de *Peg + Cat*. Pida a su hijo que elija uno de los tres diseños disponibles en línea, imprima las páginas y ordénelas del uno al 24. Después pase rápidamente las páginas y vean a los personajes moverse. Esta simple actividad ayuda a los niños a practicar sus habilidades de conteo. Usted puede encontrar las instrucciones en pbskids.org/learn; sección “Numbers and Counting.”

Aprender habilidades matemáticas a una edad temprana es importante para que los niños tengan éxito en el colegio y en la vida cotidiana. ¡*Peg + Cat* hacen las matemáticas más divertidas! Su familia puede ver los programas de televisión en su estación de televisión pública entre semana y en cualquier momento en línea en pbskids.org.

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ACTIVITY # 1

Count Your Chickens

Children will practice counting and recognizing numbers as they go on a chicken hunt.

LEARNING GOALS

- Count up to the number 10
- Read the numerals "1" to "10"

ITEMS NEEDED

- Paper bags
- Printable Chicken Tokens page (attached) or objects such as cotton balls to represent chickens
- A marker

GET READY



With your group, view *The Chicken Problem* video clip at pbskids.org/learn, and review the numbers one to 10.

Take out enough paper bags so that each child has one, and write a number from one to 10 on each. (On one bag, write the numeral "1"; on the next bag write the numeral "2"; and so on.) If you have more than 10 children, you can use more than 10 bags and repeat numbers, or have the children work in teams. If you have fewer, you can give each child several bags.

Now, prepare your chickens. Children may use safety scissors to cut out and then color the chicken tokens, or you can use a common object, such as a cotton ball, to represent the chickens. Then, hide the chickens throughout the space, making sure there are enough chickens for each child to collect. For example, if you use 10 bags, each labeled with a different numeral from "1" to "10," you will need 55 chickens. Make sure the children don't see where you hide the chickens!

All video clips, games, and activities in this resource can be found at pbskids.org/learn





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ACTIVITY # 1

Count Your Chickens

(continued)

HAVE FUN!

1. Explain that you are "Farmer [insert your name]" and that you have a big problem! You've lost your chickens and you need the children to help you find them.
2. Give each child a paper bag. Explain that the number on each child's bag indicates how many chickens that child needs to find.
3. Go around the room and have the children identify the numbers on each bag.
4. Get hunting! Have children look around the room for their assigned number of chickens. As they search, remind children that the goal is to find only the number of chickens written on their bag.
5. Gather together and count out the chickens in each bag.
6. If a child collected more or less than his assigned number, take the opportunity to discuss addition and subtraction, more and less. You might say, "[Sam] collected [12] chickens. Is [12] more than [10] or less? How many chickens will we need to take away/subtract so that there are [10]?"
7. Play again! Give each child a bag with a different number.

PROBLEM SOLVED!

When all of the chickens have been counted, sing the "**Problem Solved**" song!

♪ *Problem solved! The problem is solved!*
We solved the problem! Problem solved!



MORE FUN IDEAS



- As you count out the chickens, have the children help you line up the bags in order from one to 10.
- Play some music and have children move around like chickens. Pause the music and hold up a number bag. Ask children to "peep" that number of times.

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ACTIVITY # 1

“Count Your Chickens” Printable Tokens

Handout



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ACTIVITY # 2

Chicken Feed

Children will count by tens to 100 as they race to feed a hungry chicken.

LEARNING GOALS

- Count to 10
- Count by tens to 100

ITEMS NEEDED

- Paper plates (one per child)
- Crayons/markers or dried corn kernels (popcorn)

GET READY



Visit pbskids.org/learn and share *The Space Creature Problem* video clip with your group. Review the number 100 and lead a discussion about how to count to 100 by tens. You might show the children a hundreds chart as you point out the repeating patterns. You can group small blocks, beads, or manipulatives in groups of 10 to demonstrate group counting. Teach your group Peg's "counting by tens" song, which you can view online.

HAVE FUN!



1. Hand out paper plates and crayons.
2. Select one child to play the role of the chicken. Explain to the group: "This chicken has a very big problem! He is so hungry! He needs to eat 100 kernels of corn. I'm going to need your help getting all the corn to the chicken!"
3. Ask each child to draw 10 kernels of corn on his or her plate (or count out 10 kernels from the jar).
4. As children draw or place the corn on their plates, go around the room and ask, "How many kernels of corn do you have? How many more do you need?"
5. Gather as a group and count by tens to find out how much corn you have. Do you have fewer than 100 kernels? If so, make a few more plates of corn.

(continued)



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ACTIVITY # 2

Chicken Feed



(continued)

HAVE FUN! (cont.)

- 6. Now it's time to feed the chicken! Have kids line up at one end of the room. Place the child playing the chicken on the opposite side.
- 7. Children should take turns running their plate to the chicken and then returning to tag the next person in line. Then it's that child's turn to run. As each plate of corn is delivered, have children count by tens (10, 20, 30, 40...). Keep going until the group has reached 100.

PROBLEM SOLVED!

When the hungry chicken has been fed 100 kernels of corn, sing the **"Problem Solved"** song!

 *Problem solved! The problem is solved!*
We solved the problem! Problem solved! 

MORE FUN IDEAS



- Play the game again, but this time use a timer. Increase the speed as children get more comfortable counting by tens.
- Set up 10 plates of corn to create a path. Have children pretend to be the hungry chickens as they hop to each plate and count by tens all the way to 100.

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ACTIVITY # 2

Chicken Feed Hundreds Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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