



# peg+cat



## ACTIVITY #2

### Dear Parent,

Today was the 100th Day of School, and what better way to celebrate than with activities all about the number 100? With the help of Peg and Cat – the problem-solving, math-loving duo from PBS KIDS – your child practiced estimating, and counting by tens to 100. Be sure to ask them about the game(s) we played to make a pretend giant pizza with 100 toppings, and help send 100 chickens into space! You can encourage your child to continue exploring these and other early math concepts online at [pbskids.org/peg](http://pbskids.org/peg).

*Peg + Cat* offers a multiplatform experience, with on-air programming, interactive games, streaming video, an app and hands-on activities all linked through storyline and curricular areas. Through this approach, the series leverages media on a variety of platforms to support key math skills.

*Peg + Cat* and its supporting resources are funded in part by the U.S. Department of Education through the Ready To Learn Initiative, and by the Corporation for Public Broadcasting (CPB).

And to continue the celebration of all things 100 at home any time, check out the activities available at [pbskids.org/learn](http://pbskids.org/learn) under “100th Day of School – Share.” There, you’ll find simple games the whole family can play using a hundreds chart; or suggestions for fun, creative crafts that help bring the number 100 to life.

Learning math skills at a young age is so important. *Peg + Cat* makes math fun! Your family can watch the show weekdays on your public television station, and anytime at [pbskids.org](http://pbskids.org).

### Carta a los Padres

¡Hoy fue el Día #100 de Clases! ¿Hay alguna forma mejor de celebrarlo que con actividades que traten sobre el número 100? Con la ayuda de Peg y Cat, el dúo de PBS KIDS a quienes les encantan las matemáticas y resolver problemas, su niño(a) practicó haciendo estimaciones y contando de diez en diez hasta el 100. Asegúrese de preguntarle sobre el (los) juego(s) cuando pretendimos hacer una pizza gigante con 100 ingredientes, y cuando ayudamos a enviar a 100 pollos al espacio. Usted puede motivar a su niño(a) a que continúe explorando estos y otros conceptos elementales de matemáticas en el sitio [pbskids.org/peg](http://pbskids.org/peg).

*Peg + Cat* ofrece una experiencia de plataforma múltiple, con programación al aire, juegos interactivos, videos, una app y actividades manuales, todas relacionando cuentos y áreas curriculares. De esta forma, la serie aprovecha medios en distintas plataformas para apoyar habilidades matemáticas esenciales.

*Peg + Cat* y sus recursos de soporte son patrocinados parcialmente por un apoyo del programa Ready to Learn del Departamento de Educación de los Estados Unidos y la Corporation for Public Broadcasting.

Y para continuar con la celebración del 100 en casa a cualquier hora, busquen las actividades disponibles en [pbskids.org/learn](http://pbskids.org/learn) siguiendo el enlace “100th Day of School – Share”. Allí, ustedes encontrarán juegos simples para toda la familia utilizando tablas de cientos, o sugerencias de manualidades divertidas que ayudarán a que el número 100 cobre vida.

Aprender habilidades matemáticas a una edad temprana es muy importante. ¡*Peg + Cat* hacen que las matemáticas sean divertidas! Su familia puede ver los episodios entre semana a través de su canal de televisión público y a cualquier hora en [pbskids.org](http://pbskids.org).



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## ACTIVITY #2

## Chicken in Space

Children will practice estimating size and quantity to send 100 chickens into space.

### LEARNING GOALS

Estimating size and quantity

### ITEMS NEEDED

- Space crafts. Use different sized containers: tupperware, plastic cups, plastic jars, etc. Keep two containers, one large and one medium, aside for steps 7 and 8
- 100 chickens. Use small objects to represent the chickens, like marbles or small blocks
- Craft supplies – paint, glitter, colored paper, markers (optional)

### GET READY

Visit [pbskids.org/learn](http://pbskids.org/learn) and share **The Parade Problem** video clip with your group. Review Ramone's definition of estimating: making a "careful guess." Talk about the kind of things that might be helpful when you try to estimate: drawing a picture, comparing sizes, sorting, counting, discussing with some friends, etc. Brainstorm different scenarios where estimating might come in handy, like guessing how much time it will take to get to the front of the line, or how many bags you might need at the grocery store. Then, play the **Chicken Blast Off** game to practice estimating the right shape and size to send the different animals into space. Is the space craft large or small? How many chickens do you think will fit in it? Why?

### HAVE FUN!

1. Tell the children that they are going to send 100 chickens into space! Show them what the "chickens" look like so that they can get a sense of the size and shape of the object. Then present the space crafts, explaining that the chickens will travel inside these to outer space. Point out that the space crafts are all different sizes, and that not all 100 chickens can fit in just one. It's up to them to estimate how many can fit in each one.
2. Split the class into groups, and give each one a space craft and a couple of chickens. Explain that you are passing out just a few chickens, so that the class can estimate how many more each space craft can hold.

(continued)

All video clips, games, and activities in this resource can be found at [pbskids.org/learn](http://pbskids.org/learn)



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## ACTIVITY #2

### Chicken in Space (continued)

#### HAVE FUN! (cont.)

3. Let the children play with the objects. Encourage them to use the skills you talked about earlier – drawing a picture, counting, talking it out – to come up with their estimate.
4. Go around the room and ask each group what their best estimate is. Keep track of each group’s guess.
5. When everyone is ready, call up the first group. Ask them what their estimate was and write it where the whole class can see.
6. Check the results! Add the chickens to the space craft one by one, with the class counting along. Write the total next to the original estimate. Was it more or less than they had guessed? Repeat with the rest of the groups.
7. When everyone has had a turn, tell the class that they have one last estimate to make. Take out the two containers you set aside at the beginning and explain that you might have found a space craft that can carry ALL the chickens at once! There is one large container, and one medium sized one. Ask the class to make a careful guess: which container do they think can hold all 100 chickens?
8. Once the class has made its estimate, make sure all the chickens fit! Add in the chickens until all 100 are snugly inside the space crafts. (Feel free to try different ways of counting if your students are up for it – by twos, fives, or tens.)

#### PROBLEMS SOLVED

When all the chickens are safely in their space craft, sing the **“Problem Solved”** song!

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



#### MORE FUN IDEAS

Let the children decorate their spaceships with the craft supplies. Encourage them to come up with a story about their particular machine – what kinds of features does it have? How fast can it fly? Does it have a name? You can add in this activity between steps 4 and 5. The children may want to tell the rest of the class about their space crafts before they announce their estimates.

**All video clips, games, and activities in this resource can be found at [pbskids.org/learn](http://pbskids.org/learn)**



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