



peg+cat



ACTIVITY # 1

Parts of Peg

Children label 2D shapes and learn shape attributes as they build a paper Peg doll.

LEARNING GOALS

- Name and recognize 2D shapes: circle, triangle, square, rectangle, oval, semi-circle
- Investigate the attributes of these 2D shapes

ITEMS NEEDED

- Glue Sticks
- Safety scissors (one per child)
- Construction paper (to use as backing for Peg dolls)
- Printable pages:
 - “Parts of Peg” illustration to show the group, folded in half along the dotted line
 - “Pieces of Peg” printable page (one per child)

GET READY

With your group, view video clips from *The Golden Pyramid Problem* and *The Sparkling Sphere Problem* at pbskids.org/learn. Ask the children to pay special attention to the shapes they see in the episode.

Cut apart the shapes on each “Pieces of Peg” page so that each child will have one complete set of shapes when the activity begins. Older children can use safety scissors to cut out the shapes by themselves as part of the activity.



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



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ACTIVITY # 1

Parts of Peg

(continued)

HAVE FUN!

1. Review basic shapes with the group: circle, triangle, square, rectangle, oval, semi-circle. You can hold up the cut-out shapes and ask children to name and describe them one-by-one. Give an example: "This is a circle. A circle goes round and round and has no sides." Or, "This square has four corners and four sides that are all the same size." Ask the children what they notice about each shape.
2. Now hold up the folded "Parts of Peg" illustration. Explain, "This is Peg. Peg is actually made out of shapes." Unfold the page to show the other half of the Peg image. Ask, "Can anyone see any shapes in Peg? What shape is Peg's head? What shape are her legs?"
3. As children identify the shapes, continue to talk about each shape's attributes. You might ask, "How many corners does Peg's dress have? Remember, it's a triangle."
4. Give each child a set of pre-cut Peg shapes or the "Pieces of Peg" page and safety scissors so they can cut out their own. Hand out construction paper to use as backing. Explain, "We have a BIG PROBLEM! These pictures of Peg are in pieces! We need to glue the shapes to the paper and put Peg back together!"
5. It's time to create. Lead children in gluing the shapes onto the construction paper to create their own paper Peg dolls.
6. After children have made their dolls, encourage them to decorate Peg and add any missing features: hair, eyes, buttons, buckles, or even their favorite Peg + Cat background.

MORE FUN IDEAS

- As each child is holding her Peg doll, play a shape identification game. Say, "I'm thinking of a shape that is round and has no corners." Have children point to that shape as they say its name.
- Cut out some extra shapes and see what else children can make with the shapes. Can they make a house for Peg or a car for Peg?
- Have kids draw their own Peg! They can follow the instructions on the "Drawing Peg" handout.

PROBLEM SOLVED!

When everyone has completed their Paper Peg doll, sing the "**Problem Solved**" song!

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



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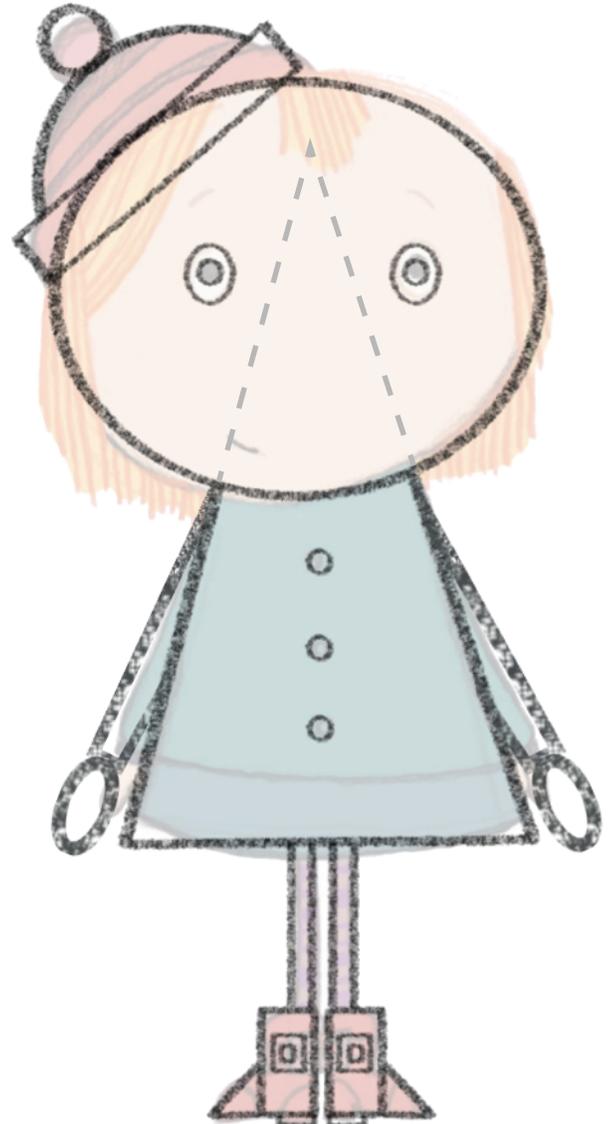


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ACTIVITY # 1

Parts of Peg Illustration



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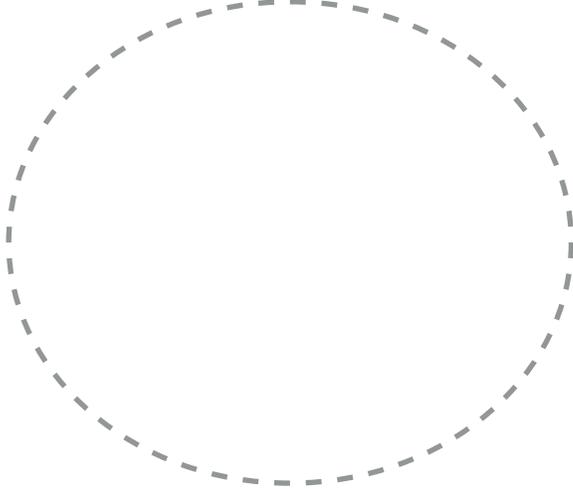
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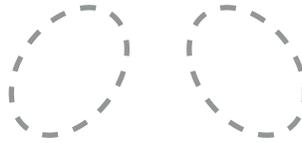
ACTIVITY # 1

Pieces of Peg Handout

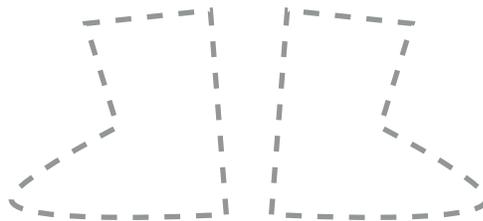
Head



Hands



Boots



Hat



Arms



Legs



Dress



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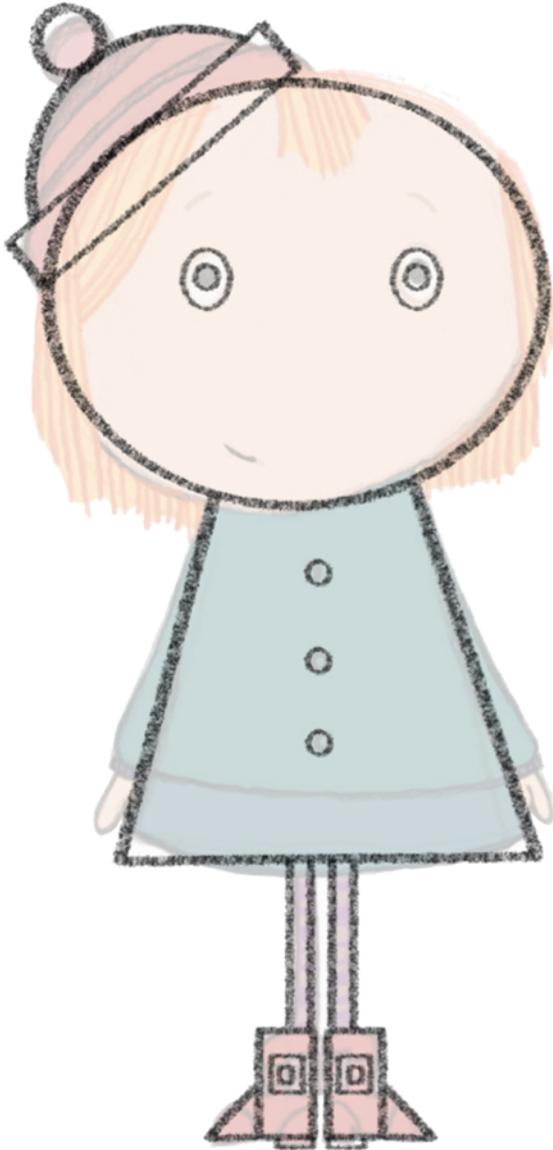


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ACTIVITY # 1

Drawing Peg Handout



Peg is made up of lots of simple shapes and lines.

First draw an oval for her head, two little ovals for her eyes, and two little circles for her pupils.

Then a triangle (or a trapezoid) for her dress, and three circles for the buttons.

Draw two thin rectangles for her legs.

Her hat looks hard, but it's really just a rectangle with a semicircle, and a little circle for the poof on top.

The boots are a bit tricky, but if you look carefully you'll see that they're really just a series of rectangles, and a triangle for the toe. You can round them off if you want to get fancy. The buckles are two squares.

To finish, you just need to draw a bunch of lines, some straight and some curvy, for her hair, arms, and fingers.