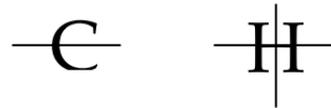


Let's find words are made of letters having two lines of symmetry.
Symmetry is the balance among the parts of something. Identify with your child all the capital letters that have symmetry (that can be split equally in half).

- Sort the capital letters of the alphabet and decide one the ones that have one or two lines of symmetry. For example, "C" has one horizontal line of symmetry; "H" has two lines of symmetry, one vertical and on the other horizontal.

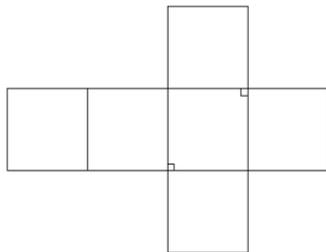
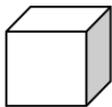


- Create a word using capitals that have two lines of symmetry.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

What do containers look like before being glued into their final shapes?

Nets are flat, unfolded designs of three-dimensional objects.



- Collect a box, cylinder, or other container. Ask your child to imagine and draw what the object might look like if opened at the edges and flattened. Then check your child's predictions by comparing it with the net of the flattened container.
- To make this easier, use objects with square rectangular faces. For more of a challenge, use objects with curved faces or with faces in the shapes of triangles, parallelograms, or pentagons.

What shape or shapes make a tall structure stable?

Building activities help your child think about how certain shapes keep things from falling down.

- Give your child 50 straws and a roll of masking tape. Ask her to build the tallest free standing structure possible. What can she build?
- The structure cannot be attached to (or made stable by) a floor, wall or piece of furniture.
- Talk about what shapes (ie, rectangle, triangle, circle) will make the structure stable. Look at pictures of skeletal structures, such as hydroelectric towers, roller coasters, and suspension bridges to see what makes them stand on their own.