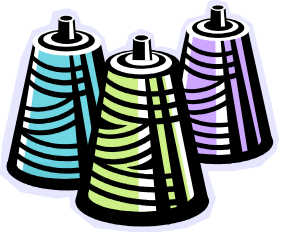
Tips for Helping at Home

- Look for different shapes in the environment, at home or while you are out. You can look for both two-dimensional and three-dimensional shapes. Encourage your child to look closely and describe what each shapes looks like.

- Making shapes is a good way to learn about them. At home, your child might use clay or play-dough, building blocks, drinking straws or a loop of yarn or rope to make different shapes. Drawing shapes is also fun. Your child might like to design pictures using shapes, as we will be doing in class.



- You and your child might visit the children's section of the local library and find books about shapes to read together.

Burns, Marilyn. *The Greedy Triangle*. New York:

Scholastic, 1994.

Mathematical Emphasis

Investigation 1— Shapes Around Us

- Observing and describing two-dimensional shapes
- Relating 2-D shapes to real-world objects

Investigation 2—Exploring Shapes with the Computer

- Visualizing how to move a shape so that it is oriented correctly to fit into a design
- Building knowledge about the relationships among pattern block shapes

Investigation 3—Looking at 3-D Shapes

- Developing vocabulary to describe 2-D and 3-D shapes
- Finding combinations of shapes that fill an area

Investigation 4—Making Shapes and Building Blocks

- Building knowledge about the relationships among pattern block shapes
- Combining smaller 3-D shapes to make a larger 3-D shape

Investigation 5—Faces on 3-D Blocks

- Observing similarities and differences between the faces of different 3-D shapes

Websites

http://cms.everett.k12.wa.us/math/Kinder

Buried Shapes

http://www.primaryresources.co.uk/online/longshape3d.html

Pattern Blocks

http://nlvm.usu.edu/en/nav/frames_asid_169_g_1_t_3.

html?open=activities

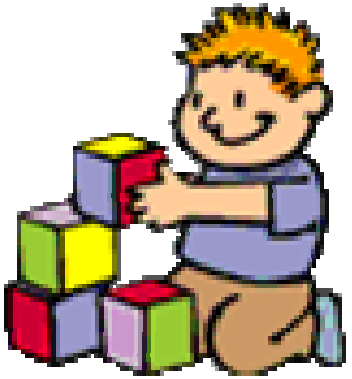
See your teacher for the password to download software for this unit.

Investigations in Number, Data, and Space

Kindergarten

Making Shapes and Building Blocks

Exploring Geometry



Everett Public Schools

Vocabulary

Two-Dimensional Shapes:

Square, rectangle, triangle, circle, oval

Three-Dimensional Shapes:

cylinder 

cone 

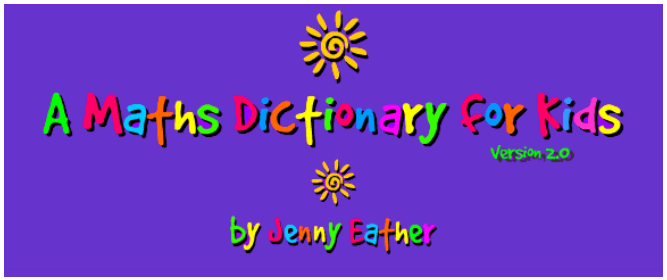
sphere 

rectangular prism 

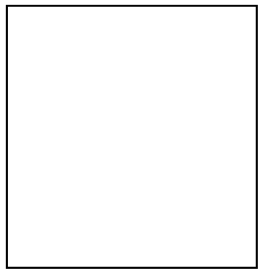
triangular prism 

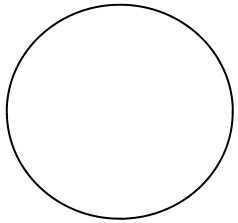
Glossary

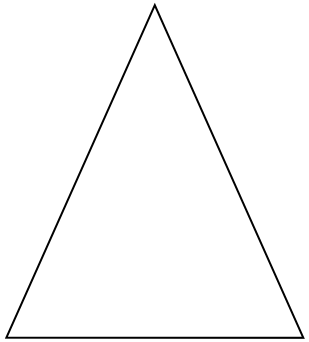
http://www.amathsdictionaryforkids.com/

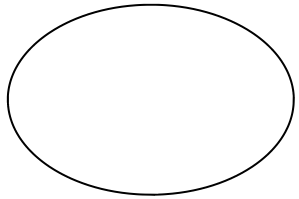


A _____ is just a _____ until you add _____. Then it is a _____.









Economopoulos, Karen. Investigations in Number, Data, and Space: Making Shapes and Building Blocks. Dale Seymour Publications, 1998.

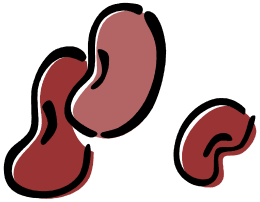
Game

Grab Bag

You will need:

Two or more players

Counters (5—10) in a bag



How to play:

One player puts the counters in the bag, reaches in and takes some out.

Player opens hand to show the counters taken out, then says: “I had ____ counters and took out _____. How many do you think are still in the bag?”

Player holding the bag can then confirm if the other player’s guess is correct.

Players then switch roles, trying different combinations as well as using a different number of cubes in the bag.