The Education Fund

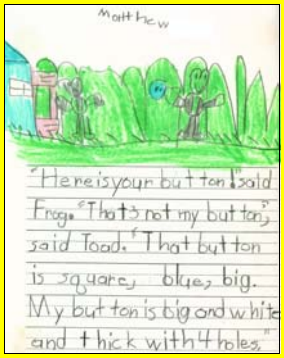
THE EDUCATION FUND
FOR EXCELLENCE IN MIAMI-DADE PUBLIC SCHOOLS

IMPACT II IDEA PACKETS
Developed by
Dr. Karol L. Yeatts

Barry University
11300 NE 2nd Avenue
Miami Shores, FL 33161
Phone: 305-899-4869
Email: kjyeatts@worldnet.att.net

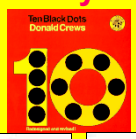
Pre-number Concept Stories

The Lost Button
from Frog and Toad Are Friends
by Arnold Lobel

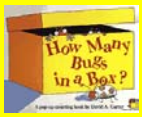


Counting Stories

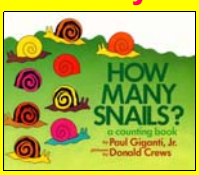
Ten Black Dots by Donald Crews

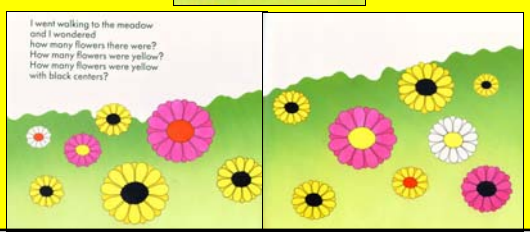


How Many Bugs in a Box?
by David Carter

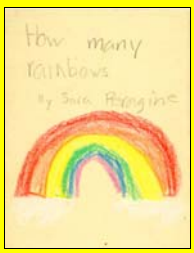


How Many Snails by Paul Giganti

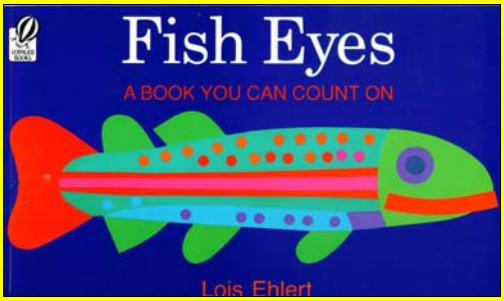




Student Sample

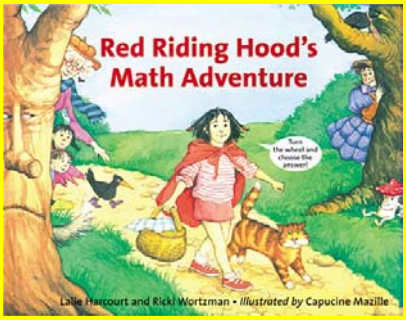


Fish Eyes by Lois Ehlert



Student Sample

Red Riding Hood's Math Adventure by Lalie Harcourt and Ricki Wortzman



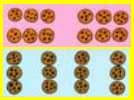
Splash by Ann Jonas

Each Orange Had Eight Slices by Donald Crews

On My Way
by Elliot Rodstein
On my way to St Louis I saw 10 insects. Each insect had 6 legs. Each leg had 3 hairs. How many insects, legs and hairs did I see?
The answer is
10x6=60,
60x3=180,
10+60+180=250.

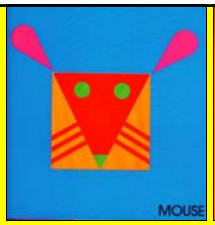
Fair Share

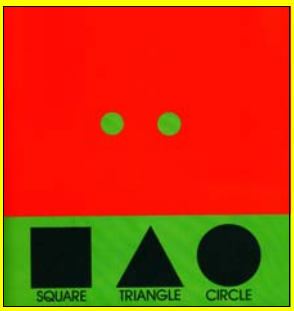
- Read aloud The Doorbell Rang
- Give each child 12 bite-size cookies and a paper plate. Explain to the children that they will be sharing their cookies with their friends.
- Have children create equal groups of cookies for 2 friends,
- 3 friends, 4 friends, 6 friends and 12 friends.
- Record the groupings on a class chart or on the board.

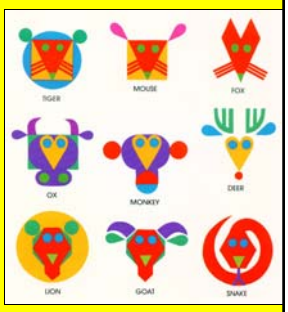


Number of Children	How many cookies will each child get?	Mathematics Sentence
2		
3		
4		
6		

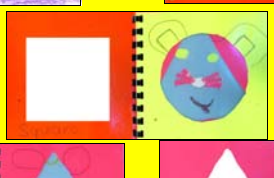
Geometry Stories
Color Zoo by Lois Ehlert







Student Sample



Greedy Triangle by Marilyn Burns

Materials

- Paper squares, scissors, rulers (straight edge), pencils, glue

What to Do

- Read aloud the Greedy Triangle by Marilyn Burns
- Give each student several paper squares and scissors.
- Have students cut off one corner from the square. Identify the new shape. (pentagon)
- Cut off another corner from the square. Identify the new shape. (hexagon)
- Cut off another corner from the square. Identify the new shape. (heptagon)
- Cut off another corner from the square. Identify the new shape. (octagon)
- Continue by having students cut off sections and identify the new shape.
- Is it possible to continue cutting corners until a circle is formed?

Grandfather Tang's Story by Ann Tompert

This activity is designed to reinforce the understanding of geometric attributes of 2-dimensional shapes.

Materials

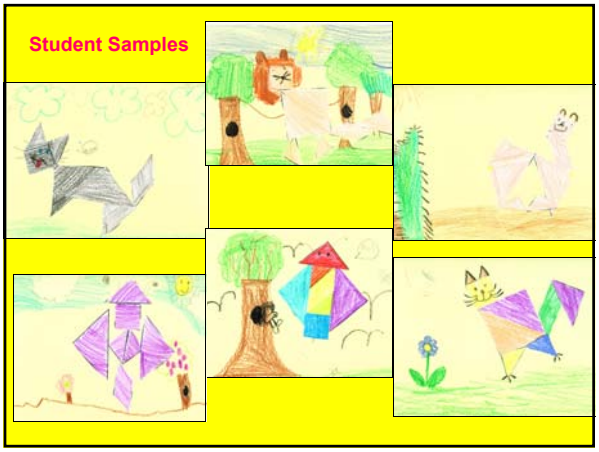
- Scissors, 8" x 8" paper squares, story, glue, construction paper

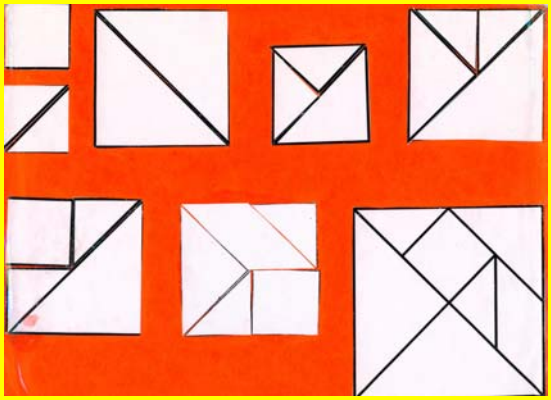
What to Do

- Read aloud: ***Grandfather Tang's Story*** by Ann Tompert. (ISBN 0-517-57487-X)
- Have students create their own tangram creatures using their tangram pieces.
- Have students use their tangram pieces to create various polygons. For example:
  - Create a square using 1, 2, 3, 4, 5, 6, or 7 pieces.
  - Create a rectangle using 1, 2, 3, 4, 5, 6, or 7 pieces.
  - Create a triangle using 1, 2, 3, 4, 5, 6, or 7 pieces.
  - Create a pentagon using 1, 2, 3, 4, 5, 6, or 7 pieces.

Student Sample

Student Samples





Fraction Stories
Picture Pie and Picture Pie 2
by Ed Emberley

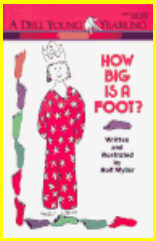
Student Activity

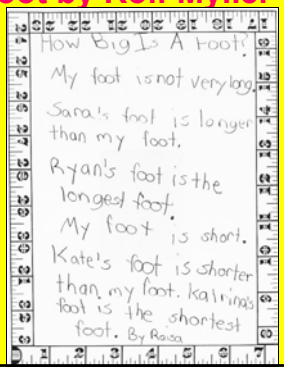
- Have students create a bird as shown by Ed Emberley using the half circle, a quarter of a circle, and two eighths of a circle.

- Have students create additional fractional designs. Students may choose to use a triangle, square or rectangle to create their designs.

This fish was created using two squares. Each square is folded along the diagonal to create a triangle. The triangle is folded in half, then in half again. Each square has 8 triangular regions. Cut the triangles out and create the fish. This fish uses 13 triangles. When compared to the original squares this fish represents 1 5/8.

Measurement Stories
How Big is a Foot by Rolf Myller

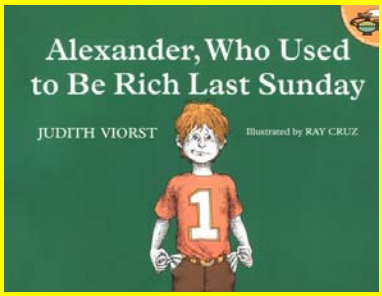




Today is Monday by Eric Carle

Today is Sunday.
Sunday is popcorn..

Alexander, Who Used to Be Rich Last Sunday by Judith Viorst



How does Alexander spend his money?

Item	Cost	Decimal	Amount Left
Bubble gum			
Bets			
Snake rental			
Bad word fine			
Lost money			
chocolate			
Magic trick			
Kicking fine			
Garage sale			
TOTAL			

How does Alexander spent his money?

Item or Event	Cost	Cost as Decimal	Coin Combination	Amount Left from the Dollar
Bubble gum	*15¢*	*$0.15*	*3N*	*$0.85*
Bets	*15¢*	*$0.15*	*2N + 5P*	*$0.70*
Snake rental	*12¢*	*$0.12*	*2P + 1D*	*$0.58*
Fine for bad words	*10¢*	*$0.10*	*2N*	*$0.48*
Lost money	*8¢*	*$0.08*	*1N + 3P*	*$0.40*
Chocolate bar	*11¢*	*$0.11*	*2N + 1P*	*$0.29*
Magic trick	*4¢*	*$0.04*	*4P*	*$0.25*
Fine for kicking	*5¢*	*$0.05*	*1N*	*$0.20*
Garage sale items	*20¢*	*$0.20*	*1D + 1N + 5P*	*$0.00*
Total	*$1.00*	*$1.00*		

Coin Combinations

Record different coins combinations that equal $1.00.

Pennies	Nickels	Dimes	Quarters	Half Dollars	TOTAL

Money Riddles

- There are three coins.
- They are worth 45 cents.
- What are the coins?

- There are five coins.
- They are worth 57 cents.
- What are the coins?

- There are six coins.
- They are worth 10 cents.
- What are the coins?

- There are three coins.
- They are worth 60 cents.
- What are the coins?

Student Created and Shared Mathematics Stories