



Math & Art
Together, At Last!

Palma Lindsay
KFUNDamentals

kfundamentals@gmail.com
kfundamentals.blogspot.com

Follow Kfundamentals on Facebook and Pinterest

Fridays Are So Cool

(To the tune of:

"Friday, I'm In Love" by The Cure)

I don't care if Monday's here

Tuesday's close and Wednesday's
near

Thursdays always make me cheer

And Fridays are so cool!

Monday I can learn to read

Tuesday, Wednesday plant a seed

Thursday, math is all I need

And Fridays are so cool!

Saturday's great!

But Sunday I'll anticipate

Another week, I won't be lat

I don't care if Monday's here

Tuesday's close and Wednesday's near

Thursdays always make me cheer

And Fridays are so cool!

'cause Fridays I'm in school!

Extra verses:

Monday I can learn a song

Tuesdays, Wednesdays can't go wrong

Thursdays never seem real long

And Fridays are so cool!

Monday I will laugh and sing

Tuesdays, Wednesdays on the swing

Thursdays Ill hear school bells ring

And Fridays are so cool!

(Art: Music. Math: Days of the Week)

Handmade beads:

- Cut colorful paper into long triangles about 2" wide and 4.5" long.
- Begin rolling short end of triangle on a round toothpick.
- Roll the triangle half way up before adding white glue to secure the end of the triangle.
- Coat entire bead with white glue to seal the bead and slide it off of the toothpick.
- Place wet beads on waxed paper or in a waxed paper cup to dry.
- When dry, string into patterns on elastic beading thread.
- You can tie it well with 3 knots or add a clasp.

This goes great with our Mother's Day hats
(Art- 3D creation. Math- Counting, patterns)

Giuseppe Arcimboldo Recipe for Art:

- Pumpkin faces with graphing:
 - Gather small pumpkins or apples and items found in nature (leaves, dried cranberries, pine cones, dried apples, beans, pods, corn husks, dried moss, etc.).
 - Construction: Attach elements with Tacky Glue, straight pins, or a low temp glue gun. (A great project to do with an upper grade buddy class and parent volunteers.)
- Students' Self Portraits:
 - Students gather pictures of food from magazines or from websites.
 - Students are given a construction paper oval face.
 - They arrange pictures of food on oval to make a face collage.
 - They graph the number of eyes, nose, lips, and cheeks on their portrait. Or make a graph of the total number of each item they collected.

(Art- Artist study, Math- Number sense, graphing)

Snowman treat:

- 1 sprinkle nose
- 2 pretzel arms
- 3 banana body pieces
- 4 blueberry buttons
- 5 sprinkles for face (eyes=2, nose=1, mouth=2)

Batik:

Literature Connection: Fish Eyes by Lois Ehlert

- In an empty glue bottle, make a 50/50 flour and water mixture (plus 2 t. alum optional)
- Place a black line master below a piece of white fabric and tape down.
- Trace the image on the fabric with the flour mixture. Try to create closed curves. (We made book of numbers.)
- Allow it to dry overnight.
- Paint with watercolors. Dry overnight.
- Peel off flour mixture to expose white fabric.

(Art- Color. Math- Number sense, patterns)

Nature Prints:

- Gather foliage from around your school. Look for a variety of leaves from wide maple leaves to pine needles.
 - Cut squares of fabric or white construction paper about 12"X12".
 - Paint the textured side of one leaf with tempera.
 - Place the painted side on the fabric, cover with paper towel, and gently press down .
 - Lift foliage up and repeat with other leaves and colors.
- (Pine needles can be painted and pressed like the other leaves or they may be used as a stipple brush by dipping the end into paint and tapping the ends of the needles on the paper.)

We had the children choose warm colors (red, orange, and yellow) or cool colors (green, blue, and purple), primary colors (red, yellow, and blue) or secondary colors (green, orange, and purple).

- allow paint to dry overnight.
- Students count the number of leaves they used or the number of prints they created.

These make lovely paper quilts or the fabric designs can be framed.
Art: collage. Math: number sense)

Colorful Snowflakes:

- Fold a white coffee filter in half & then in thirds to make sections.
- Color with wide tipped markers (ROYGBV)
- Cut triangles along the sides, but don't cut off entire side.
- Spray with water, let it dry.
- Open to reveal the magic of color blending and symmetry.

2nd option: Cut triangles out of folded coffee filter, add colored water (water with food coloring) with little eye droppers. Allow the colors to blend. Dry overnight. Open and enjoy.

(Art- Color. Math- Fractions, symmetry, patterns)

Mother's Day Hat: (or Sorting Hat!)

- Each child needs 2 different colors of butcher paper cut to 24"X24".
- Make a 50/50 mixture of white glue and water.
- Using a 2" paintbrush, each child glues 2 different colors of butcher paper together with the white glue mixture.
- Form glued paper over a lg., inverted mixing bowl and place a slightly larger bowl over the paper to help mold it into a hat.

- Have the child roll up the sides for form a brim.
- Remove the hat from the bowls and set it out to dry over night.
- The next day, set out a variety of ribbons, trims, silk flowers, etc.
- Students "purchase" decorations for their hat with real or plastic coins. (I do this with 2 children at a time. They each get 20 cents to buy parts for their hats. They must use all of the money.)
- Students glue purchased embellishments onto their hat with white glue.
- Hang a price tag on each hat that says 20 cents.
- Invite parents to a Mother's Day Tea where they will be presented with their hats and beaded necklaces or, if you aren't having a tea, send the hats home with the necklaces.

(Art- 3D form. Math- money, addition)

I'm a Plane Shape:

(To the tune of "I'm a Nut")

I'm a square of equal sides

Four sharp corners all reside

I'm a circle round and fat

Like a ball I roll like that

I'm a plane shape (clap)

I'm a plane shape (clap)

I'm a triangle three sharp points

Three straight sides, three kinds
of me

I'm a rectangle four sides too
Two long sides and short sides to

I'm a plane shape (clap)

I'm a plane shape (clap)

-S. Zolriasatain

Solid Shape Boogaloo:

I'm A Solid Shape

I'm a solid shape and I'm here to say

You see me around everyday

Sometimes as a globe

Sometimes an ice cream cone

Sometimes a box or a can

Spheres, cones, cylinders, cubes too

Doing the solid shape boogaloo

Cubes are made of squares, 6 in all

Spheres can roll just like a ball

Cones can be a part hat on you head too

Cylinders are like a can of stew

Spheres, cones, cylinders, cubes too

Doing the solid shape boogaloo

-S. Zolriasatain

(Art- music. Math- 2D & 3D shapes)

Gingerbread Raised Glue:

- Add food coloring to white glue to create colored glue.
(A great opportunity for color mixing: red & yellow make orange, red and blue make purple, yellow and blue make green.)
- Students illustrate 1 page of The Gingerbread man story and trace the dotted numbers with one of the colored glue bottles.
- Allow each page to dry overnight.
- The following day they illustrate another page in the GB story and trace the next set of numbers with whit glue. Dry overnight.
- Repeat with the additional pages allowing students to feel the raised numbers as they begin working with you each day.
- When done, have students re-tell the story of the Gingerbread man to their friends and family.

(Art- drawing. Math- # formation, graphing)

Favorite Centers:

- Winter trees: Decorate with healthy frosting, dried fruit, & cereal. (art: 3D, math: 3D shapes, cone)
- Giant Valentine: Crayon resist numbers 0-20 or clock face
(art: technique, math: measuring tools, time)
- 5 Little Pumpkins: create faces on 5 different size pumpkins & order them. (art: drawing, math: Serration- size order)
- Meow Mall: Sell parts to decorate cats. (art: spatial relations, form, math: # sense, money, addition)
- Snowman Shop: Sell parts to decorate a snowmen, make snowman by ordering 3 circles. (art: spatial relations, math: Serration - size order, # sense, money, addition)

-Addition Mini Books: Use Pattern Blocks, create addition sentences.
(art: geometric form, Shapes, addition, number formation, different ways to make 1-10)

-Subtraction bracelets:

-Create an abacus bracelet. Use 2 colors of beads & make a Rekenrek.

(3D form, math: subtraction, different ways to subtract from 10-2, subitizing)

-Day 100: Mrs. Ima Geezer, Zero, & Zeroni

(art: dramatic play, math: counting to 100, concept of zero)

Geometry Bear Biscuits:

-Each child makes their own bear out of two refrigerator biscuits.
(Trader Joe's has biscuits without trans fats & artificial colors.)

-Students cut their biscuits with a plastic knife on a paper plate.

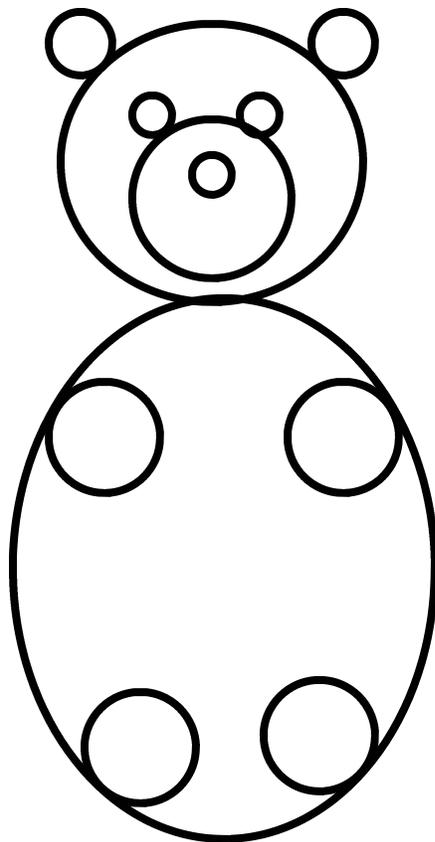
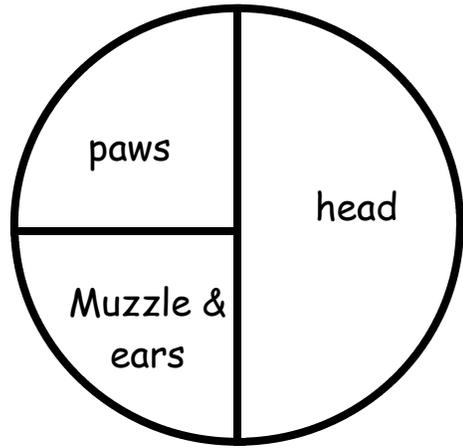
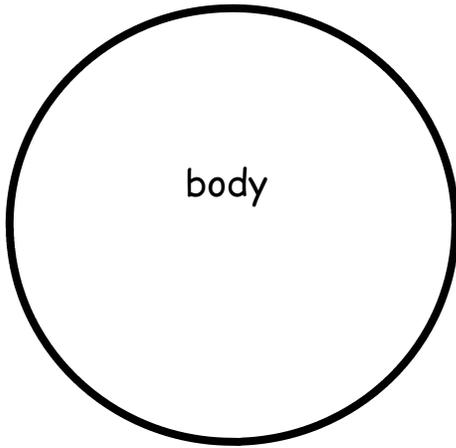
-They arrange the parts according to the diagram below.

-Place bears on parchment paper & write each child's name with a pencil near their bear.

-Sprinkle each bear with cinnamon and sugar before baking.

-Bake according to package directions.

(Art- 3D form. Math- 3D shapes)



raisin
eyes & nose