



KINDERGARTEN OF KUZIAI „VYTURELIS“



„LITTLE INVENTORS“

MATHS CLUB ACTIVITIES

27.05.2018



MATHS CLUB





MATH CLUB WALL





HANDS-ON SHAPE ACTIVITIES





LET'S TALK ABOUT SHAPES!

I LOVE to teaching children about shapes!

Why? It is so much fun because it's hands-on and children are able to discuss shapes because they see them every day! There is a ton of children activities you can do with your children. They can build the shape with toothpicks or play dough, go on a shape hunt, create crafts from shapes etc.!





CHILDREN BUILT SHAPES WITH TOOTHPICKS AND MODELING CLAY

- Kids had an awesome time building popular 2D shapes from toothpicks and modeling clay. That also taught them how many sides and corners for each shape.



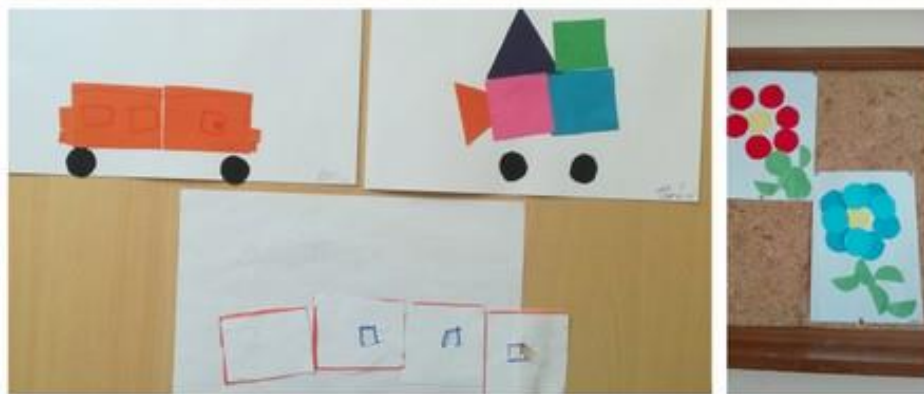


CHILDREN BUILT GEOMETRIC SHAPES WITH PLAY DOUGH





CRAFTS FROM GEOMETRIC SHAPES





SORTING SHAPES IN OUR SENSORY BIN

- We took a small tub, 4 small containers, tweezers, shape button and grains.
- A simple game: kids had to name the shape, they scooped it with the tweezers, matched it to the correct container, released the button into the container and had another go. Children tried to describe and name familiar two-dimensional shapes e.g. a circle is round or a square has four sides.
- Teacher hid all the shape buttons underneath grains. Children used their hands, sifted and felt through the grains to find them.
- Children sorted buttons by colour.
- This activity is great for sensory exploration and involves catching and scooping up coloured shape buttons and sorting them into the matching containers.





MORE ACTIVITIES ABOUT SHAPES





SHAPES AND NUMBERS HUNT!

**Children were observing geometric shapes and numbers
outdoor.**

Shapes and numbers hunt. We talked with children about the math of everyday objects. Then kids with parents went for a walk. They had to identify all the different shapes and numbers around us! They took a photos of all objects they found and brought it in kindergarten. Children described their shapes and named numbers. Moreover, we did shapes hunt in a class.





Augustas said:
Tree is growing
in the circle



White
moon is
circle

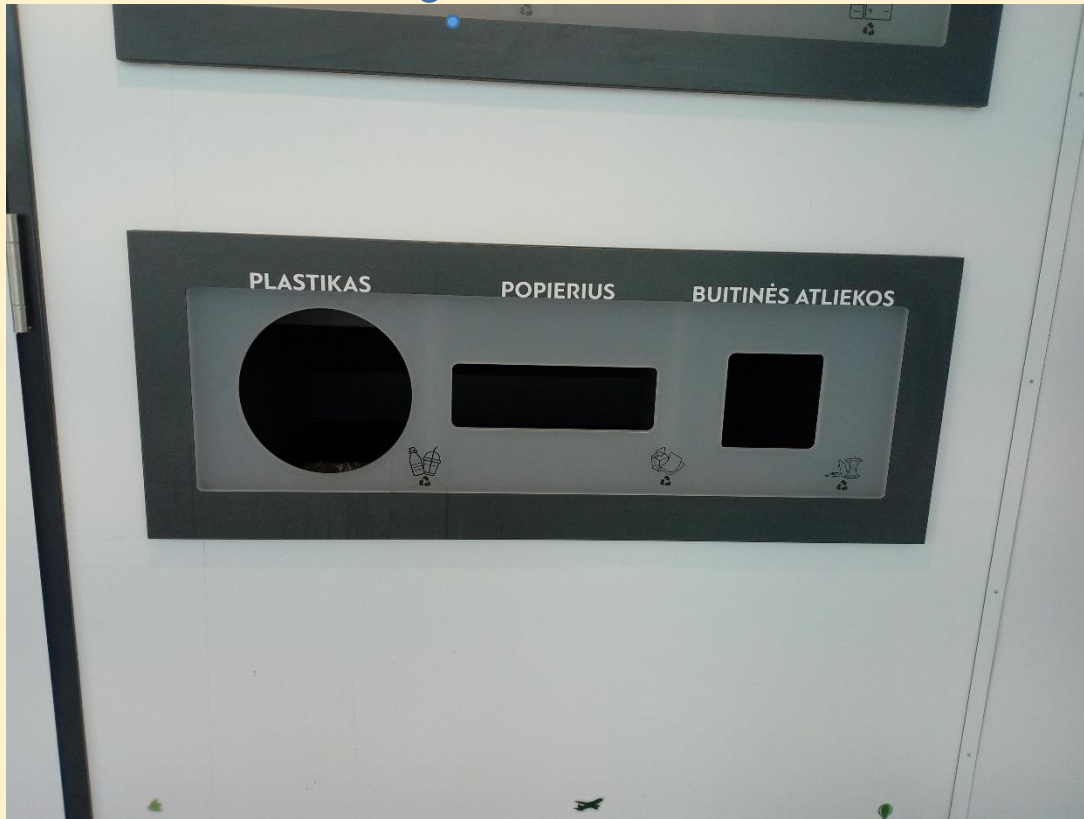


Majus said: Here
is circle and a lot
of small squares.





Majus said: Look,
there are circle,
square and rectangle



Majus found squares and
triangles on the floor.

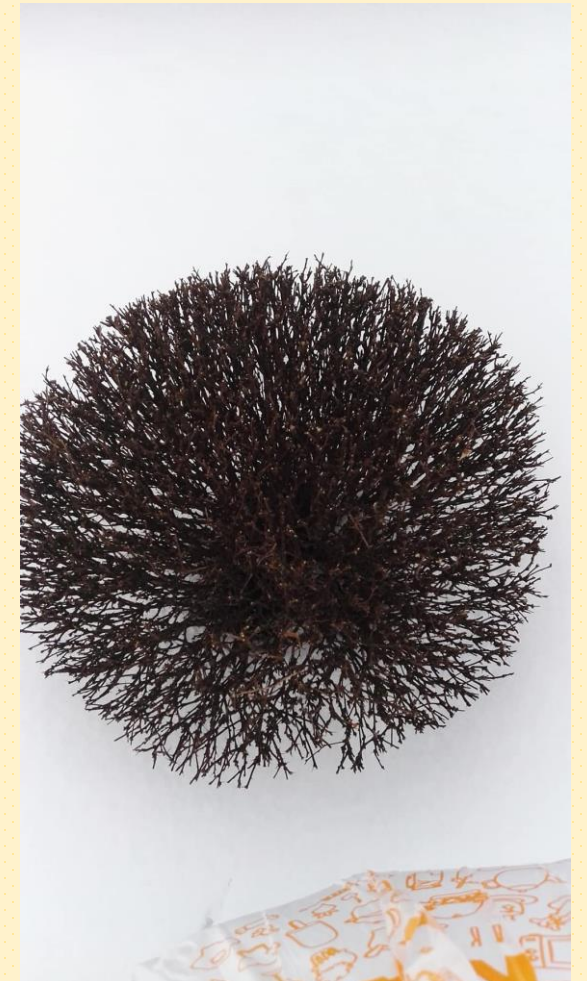




The price is numbers

Leaf in the square

Circle from branches





Road sign is circle

Eitvilē said:
Look here is yellow triangle

Here are a lot of circles

Look, there are white circle in front of me





Bicycle's wheels
look like circles

The wheels of the car
are the same as the
circles

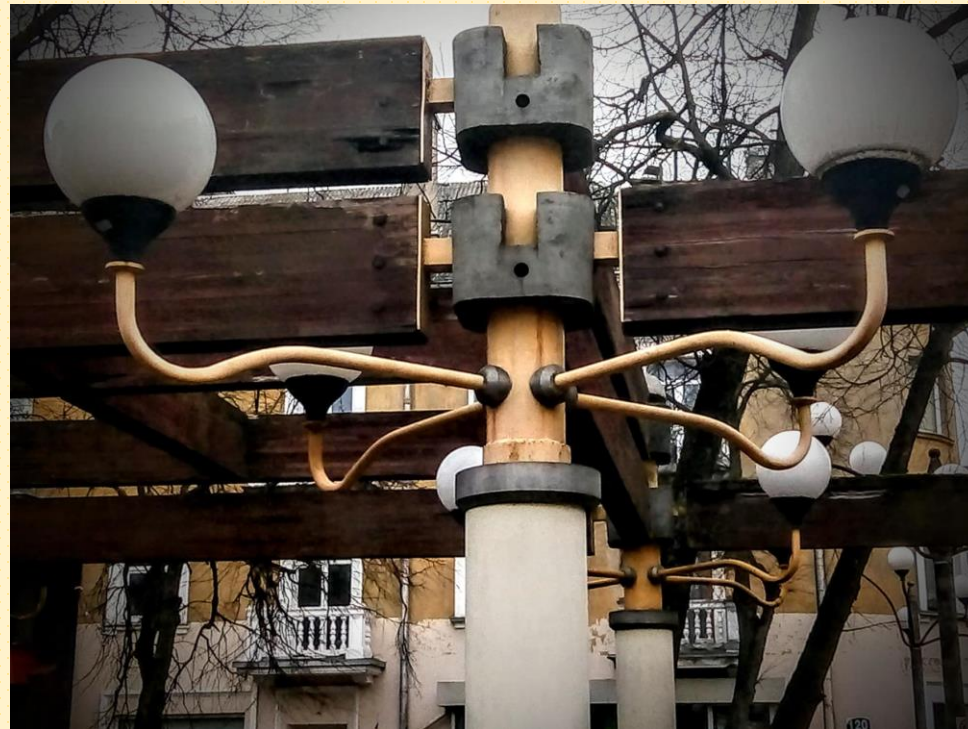




A sphere is
like a big
ball



White bubbles of
the lamps are
similar to circle



A big circle
looks like a sun
and pancake





The windows of the house are rectangles

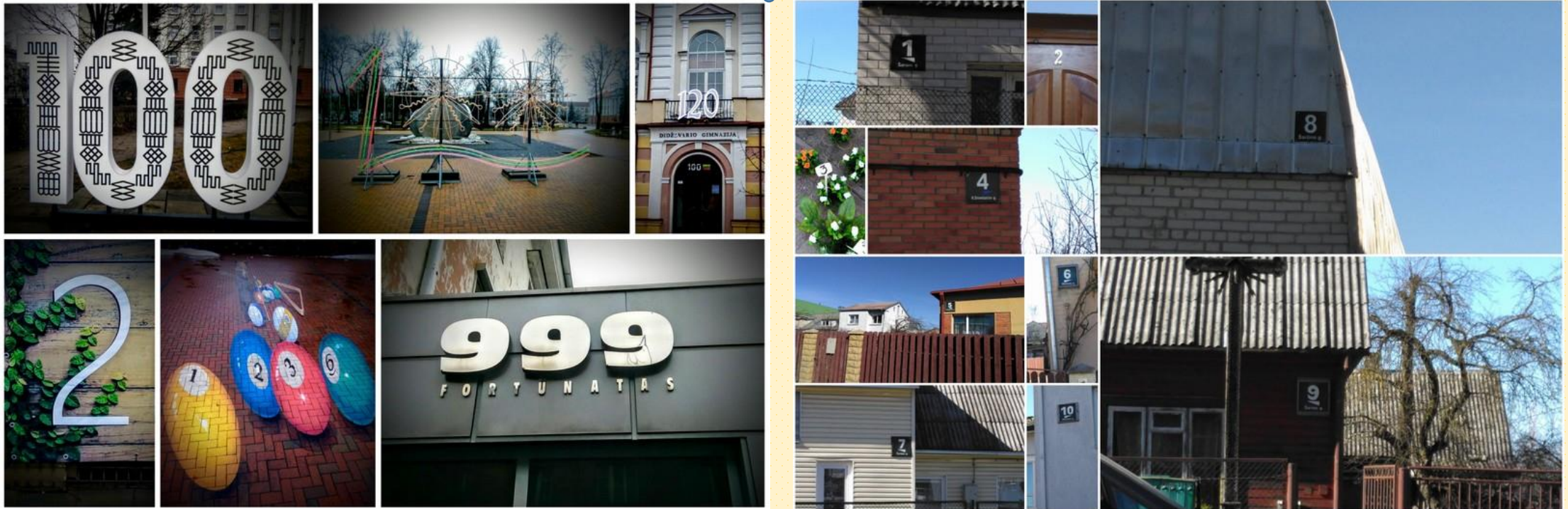


Tower is similar to the triangle





Numbers are everywhere....





THE WALL „MATH IS EVERYWHERE“





WE DID SHAPES HUNT IN A CLASS





HOMework FOR CHILDREN

To think how will you use math this summer...?





NUMERICAL GAMES AND PLAYING WITH KIDS





BUILD NUMBERS OUT OF LEGOS

- I helped children get a hands on experience with numbers by building them with LEGO bricks.





CATCH THE STARS 1-6

Cath the Stars is a simple and straight forward math game which is designed to help recognising the roll on a dice, and matching the numbers to the one on the board.

Learning:

- Count to spots on the dice from 1 to 6
- Learn to recognise numbers from 1 to 6

We need:

- One dice
- The board with the Stars

Instructions:

- Take turn to throw the dice
- Cover that matches, the number you threw. Children have caught this star.
- If your number is already covered up on all the stars, give the dice to the next player.
- The game finishes when the last star is covered up. The winner is the player who has covered (or „caught“)the most stars.

Example:

- If you roll a 3, you could cover up any stars that has a 3 in it.

See how long it takes to complete it.





HOW MANY LETTERS ARE IN MY NAME?

- This activity is quick and simple, but it really gives kids a strong visual aid for looking at the features of their name. The only prep needed is to copy sheet with letters. Children had to cut letters and glue them on the sheet. Then they counted the letters in their name and wrote the number.
- The main purpose here is to help kids distinguish between letters and words. Their name is one word, but it is composed of more than one letter.

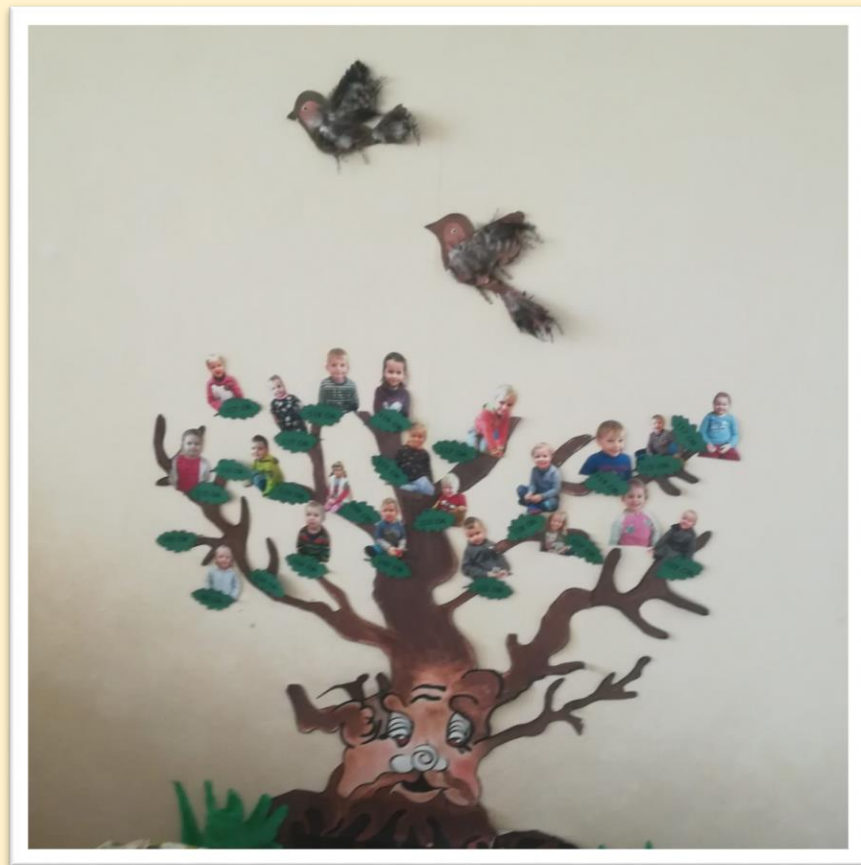




WE MEASURED CHILDREN HEIGHT



- Children were curious about their heights. Children measured each other then taught them photo on the painted tree to match their height. Here is the finished height tree, complete with height and self portraits by the children.





THIS IS HOW BIG MY FOOT IS!

- Measuring different items takes place everyday. We chose to use our paper squares to measure feet. The goal was to see, by measuring, who had the longest foot.
- We all took turns tracing our feet onto the paper with a little friend help. We started at the bottom of each foot and carefully line up paper squares until he got to the highest point. After we finished lining up feet we counted the squares and I wrote how many we counted by each one.





MATH OUTSIDE



Children put on dandelions on the written numbers from 1 to 10 then they put on the items according to the numbers which they created.





NUMBER LINE RUN

- To set up the game I drew a line down the sidewalk with chalk and then marked off the numbers from 0 to 10. At first children practiced walking the line and counting the numbers.
- When they got bored with that I called out numbers and they ran to find them. It's a good way to practice numbers recognitions!
- Kids that can easily identify numbers can start to work on addition by counting on from a number. You can call out a number and then have them add another number to it by walking that many steps up the number line. This is a fun one for kindergartners who are beginning to combine and subtract numbers.





A TALE „A BAG OF APPLES“

- Performers of a tale did various mathematical tasks and experiments when they was preparing for the performance. Mathematical tasks and experiments were introduced to parents during the performance.





MATHEMATICAL TASK „APPLE IS ONE BUT RABBITS ARE FOUR“

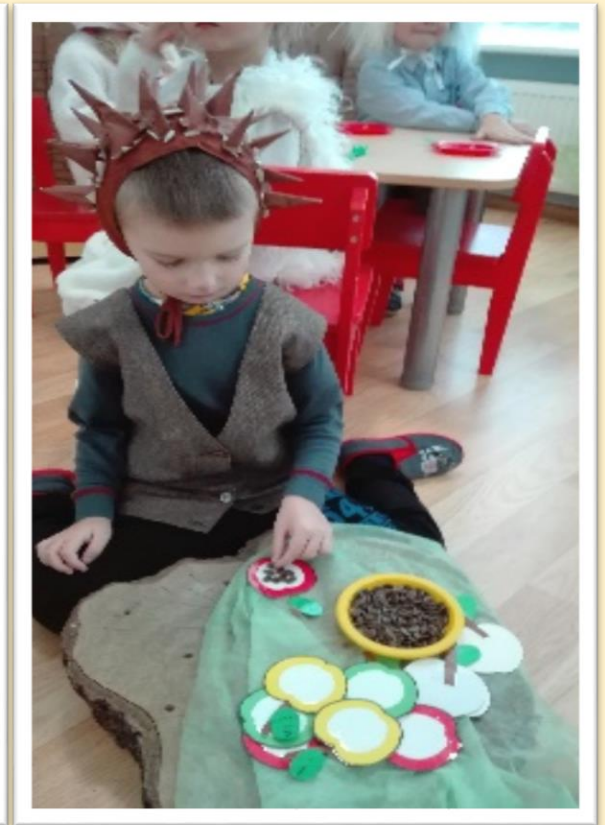
- **Daddy rabbit brought 1 apple but were 4 rabbits. How has he share this apple for all rabbits? Samanta offered Jonas offered to go to the apple tree and pick up more apples. Gabriele offered to cut the apple. After consultation, we agreed to divide the apple into 4 equal parts, so for all the rabbits would be enough.**





MATHEMATICAL TASK „SEEDS OF APPLE“

- The hedgehog put the seeds on the apple as indicated on the leaf. Then he counted and put the apples in ascending order by seeds number.





WATER PLAY WITH EYE DROPPERS

- This activity provided an opportunity to explore creatively and promotes the development of coordination and concentration.
- Set motivating challenges such as, fill only the blue lids with water first.
- Count how many drops it takes to fill a bottle top lid.
- Fill a large bottle top lid and then transfer water from this lid to a smaller one. Talk about what happens.
- Transfer water from a small lid to a larger lid. How many small lids fit into one larger lid? How many more drops do you need to finish filling up the large lid.





PRACTICE NUMBER RECOGNITIONS AND COUNTING WITH LEGO TOWERS



- The object is to build a tower that matches the tower on the card.
- Children are tracing the number with their fingers and counting the blocks before they build.
- Then they build the towers and check their work.





MATH WITH ELMER

- Children read a book about elephant: they were counting, telling various adjectives (tall, small, etc.), they were decorating elephants with soap bubbles, exploring colours with vinegar, soda, paints. They were observing chemical reactions of colours, define colours, making diagrams.





„BOAT RACING“ ACTIVITY





„HOW MANY WATER HAS THE SNOW“ ACTIVITY





„COUNTING BALLS“ ACTIVITY



