

Lesson plan

Refreshing summer puzzle!



Short description of the activity	Counting up to 10 Shapes Ordering numbers
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Level of difficulty	Level 1
Duration of the activity	10 minutes
Number of participants	Individual activity
Inventory of the hands-on exhibit	<ul style="list-style-type: none">- Twenty 3D printed watermelon plastic shapes (ten with the numbers and ten with the seeds)- 3D pen to make colour the seeds on the other half of the watermelon (in order to have them colour contrasted)

Skills required of children	<ul style="list-style-type: none">- The child knows how to catch the objects (the pieces of watermelon).- The child can position those objects next to each other and form the entire element.- The child is able to describe what he/she sees.- The child is able to express the fact that these objects have different shapes.
Skills worked on	<ul style="list-style-type: none">- Comparison of objects.- Recognise too complementary shape.- Observation and count.

Instruction and description of the activity, step by step

Instruction	Connect the watermelon halves of equal value to make whole slices.
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Step by step	Description	Illustration
Step 1	<p><u>Making the material:</u></p> <ul style="list-style-type: none">➤ Duration: One halves: 20 miutes Seed: 3 minutes (with 3D pen) <p><u>Material preparation:</u></p> <ul style="list-style-type: none">➤ Put the number of pieces on the table in front of the children.	 A photograph showing several children sitting around a white table. They are engaged in an activity with watermelon slices. Some slices are arranged in a line on the table, while others are being held by the children.
Step 2	<p><u>Conduct the activity:</u></p> <ul style="list-style-type: none">- Ask the child to touch the halves of the watermelons: the numbers, the seeds and the shape of each one.- Read with him/her the numbers.	 A photograph showing several children sitting around a white table. They are engaged in an activity with watermelon slices. Some slices are arranged in a line on the table, while others are being held by the children.

Step 3

- Ask the child to try to join the pieces as it were a puzzle.



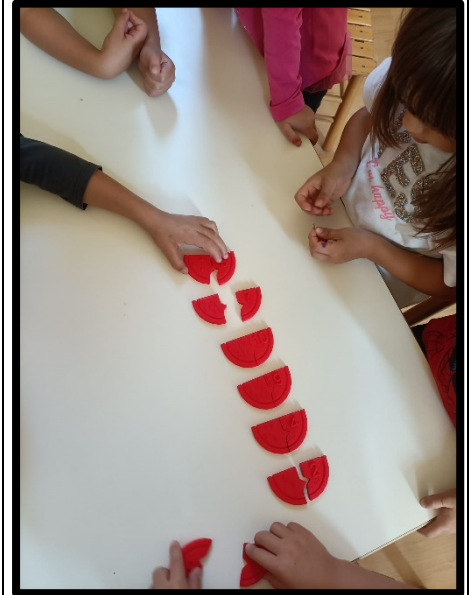
Solution

Check with the child the work done and touch it again or discuss it with him/her



To go further

Put in order the halves of the watermelon from 1 to 10 and, using real seeds of vegetables (beans or lentils for example), prepare the number of seeds for each half. In this way it will be even more visual the activity and the learning of numbers.



Resources

- (EN) <https://earlychildhood.qld.gov.au/early-years/activities-and-resources/resources-parents/read-and-count/learning-with-puzzles>
- (EN) <https://fontanalib.org/puzzles-build-learning-skills>
- (EN) <https://www.cuemath.com/math-puzzles/grade-1-puzzles/>
- (EN) <https://blog.giodicart.it/2018/12/14/perche-i-puzzle-sono-cosi-importanti-per-lapprendimento-dei-bambini/>