

## Lesson plan

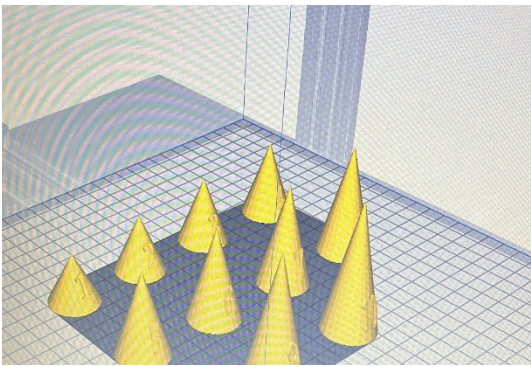

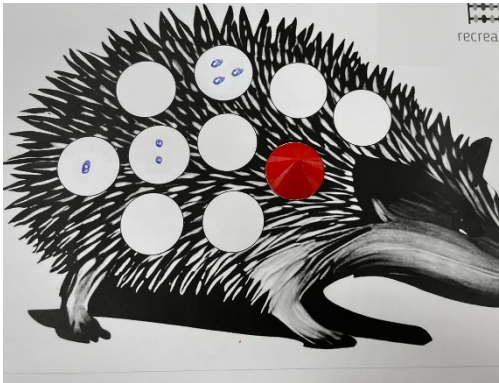
# The thorns of the hedgehog


<b>Short description of the activity</b>	Put each thorn in the correct place. Naming, reading and representing whole numbers. Use various representations of numbers (writing in figures and writing in dice constellations)
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<b>Level of difficulty</b>	Level 2
<b>Duration of the activity</b>	10 minutes
<b>Number of participants</b>	individual
<b>Inventory of the hands-on exhibit</b>	Material: <ul style="list-style-type: none"> <li>- One cardboard hedgehog with ten round holes in its body</li> <li>- Ten 3D printed thorns</li> <li>- Paper</li> <li>- A pen</li> </ul>

<b>Skills required of children</b>	<ul style="list-style-type: none"> <li>- The child knows how to position objects according to a specific order (from the smallest to the biggest, for example)</li> <li>- The child is able to describe what he/she sees.</li> <li>- The child is able to express the fact that the thorns of the hedgehog have different colors and numbers on them</li> </ul>
<b>Skills worked on</b>	<p>After observing the thorns, the child sorts them according to the number written on them e to the number of dots in the holes.</p> <p>Through manipulation :</p> <ul style="list-style-type: none"> <li>- The child compares the objects and learn the numbers from 1 to 10.</li> <li>- The child learns to classify objects according to a criterion, here the number written on them in the correct place.</li> </ul>

## Instruction and description of the activity, step by step

<b>Instruction</b>	Put each thorn in the correct place.	
<b>Step by step</b>	<b>Description</b>	<b>Illustration</b>
<b>Step 1</b>	<p><u>Making the materials:</u></p> <ul style="list-style-type: none"> <li>➤ Duration: 9 thorns: 3 hours A sheet of paper with constellation: 2 minutes A hedgehog: 20 minutes</li> </ul> <p><u>Material preparation:</u></p> <ul style="list-style-type: none"> <li>➤ Prepare the hedgehog with the sheet below.</li> <li>➤ Put the thorn around it</li> </ul>	
<b>Step 2</b>	<p><u>Conduct the activity:</u></p> <ul style="list-style-type: none"> <li>- Ask the children to look well at the material in front of them: the hedgehog and at the round holes in the body of the animal; the thorns...</li> </ul> <p>Moreover, in each hole there are a certain amount of dots...</p>	
<b>Step 3</b>	Ask the child to count the dots in each hole and to find the thorn that has the same written number on it.	
<b>Step 4</b>	Put each thorn in the correct hole.	
<b>Solution</b>	Check with the child the work done and look at the complete hedgehog done by removing the thorns one by one and put them on the right if they were correct, or on the left if they	

	<p>were wrong. Once you're done, try to replace the ones on the left and check again with your professor.</p>	 <p>The image shows a paper craft of a hedgehog. The hedgehog's body is made of brown paper with black lines representing quills. On its back, there are ten colorful pom-poms: two blue, two green, two red, and four white. The hedgehog's head is brown and black, and it is facing right. The paper has a dashed line for cutting. In the top right corner, there is a small logo that says 'recreaMATHS'.</p>
<p><b>To go further</b></p>	<p>Write the number on cycle-shaped papers corresponding to the dots of each hole. This activity is a second step in order to learn to write numbers and associate them to a specific quantity.</p>	

<p><b>Resources</b></p>	<p><a href="https://www.eslkidstuff.com/lesson-plans/numbers-1-10.html">https://www.eslkidstuff.com/lesson-plans/numbers-1-10.html</a>  <a href="https://intensiveintervention.org/sites/default/files/TeachingCounting_Considerations_Instruction.pdf">https://intensiveintervention.org/sites/default/files/TeachingCounting_Considerations_Instruction.pdf</a></p>
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