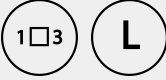



<p>Grades 2-4 (S)</p> <p>Duration: 10-15 min</p> <p>Tools: one Logifaces piece / student</p> <p>Individual work</p> <p>Keywords: Addition, Multiplication</p>	<p>301 - Multiplication with Heights</p>  <p><b>MATHS / NUMBERS</b></p>	 <p>LOGIFACES METHODOLOGY Erasmus+</p> <p><b>TEACHER</b> Logifaces</p> <p>2019-1-HU01-KA201-0612722019-1</p>
<p>DESCRIPTION</p> <ol style="list-style-type: none"> <li>1. Each student takes a Logifaces piece.</li> <li>2. The teacher thinks of a natural number up to 10.</li> <li>3. The students check the three heights of their Logifaces piece, then multiply the given number with each height, and add the three results.</li> <li>4. The whole class can discuss who got identical results.</li> <li>5. They can also discuss who got the smallest and largest numbers or they can put the results in ascending or descending order.</li> <li>6. Steps 2-4 can be repeated 3-4 times, then observe that always the same students got the same results - discussion of the reason could follow.</li> </ol>		
<p>SOLUTIONS / EXAMPLE</p> <p>For example if the teacher thinks of number 7, and the heights of the Logifaces piece are 1, 2 and 2, students should calculate the following: <math>7 \times 1 + 7 \times 2 + 7 \times 2 = 35</math>.</p> <p>Students who got blocks with equal sums of heights will get the same results.</p>		
<p>PRIOR KNOWLEDGE</p> <p>Multiplication table, Addition</p>		
<p>RECOMMENDATIONS / COMMENTS</p> <p>This task can be used to deepen the understanding of multiplication.</p>		