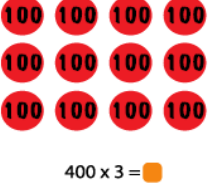
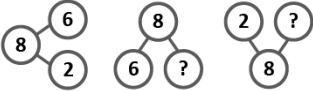
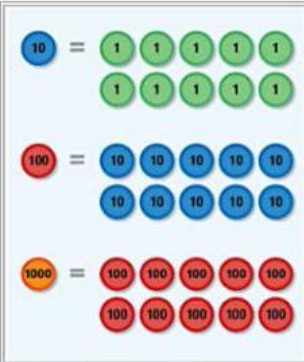







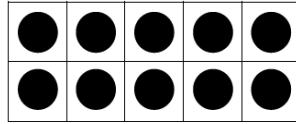
## The Engage NY Math Parent's Glossary K-5

### 9 Basic Engage NY Terms and Models

Math Term	Picture	Definition	Click the Link Below to Watch a Video to Learn More
<p>1. <i>Array and Area Model</i> (Grades 1-5)</p>	 <p style="text-align: center;">400 x 3 = <span style="color: yellow;">■</span></p>	<ul style="list-style-type: none"> <li>• An array or area model is an arrangement of a set of objects organized into equal groups in rows and columns.</li> <li>• Arrays or area models help make counting easy in the lower grades. Counting by equal groups is more efficient than counting objects one by one.</li> <li>• Later, children use arrays and area models to learn about multiplication and area.</li> </ul>	<p style="text-align: center;"><a href="#"><u>Array and Area Model Video</u></a></p>
<p>2. <i>Number Bond</i> (Grades PK-5)</p>		<ul style="list-style-type: none"> <li>• A number bond is a picture or visual way to see a number and</li> </ul>	<p style="text-align: center;"><a href="#"><u>Number Bond Video</u></a></p>

		<p>the parts that can make up a number.</p> <ul style="list-style-type: none"> <li>Number bonds help children "see" addition as putting things together and subtractions as taking things apart.</li> </ul>	
<p>3. Number Disks (Place Value Disks) (Grades 2-5)</p>		<ul style="list-style-type: none"> <li>Number disks are used to help students develop their understanding of place value.</li> </ul>	<p><a href="#">Number Disks Video</a></p>
<p>4. Number Path (Grades PK-1)</p>		<ul style="list-style-type: none"> <li>The number path is used in K and 1<sup>st</sup> Grade math lessons to help children understand that each whole number represents one unit (one space, one number).</li> </ul>	<p><a href="#">Number Paths Video</a></p>
<p>5. Number Tower (Grades PK-3)</p>		<ul style="list-style-type: none"> <li>Number towers help children see the concept of "one"</li> </ul>	<p><a href="#">Number Towers Video</a></p>

		more" and "one less".	
6. Place Value Bundle (Grades PK-2)		<ul style="list-style-type: none"> <li>Provides students with hands-on experience with place value and regrouping.</li> </ul>	<a href="#">Place Value Bundle Video</a>
7. Rekenrek (Grades PK-5)		<ul style="list-style-type: none"> <li>The rekenrek helps kids build fluency with numbers by visualizing groups of 5 and 10.</li> </ul>	<a href="#">Rekenrek Video</a>
8. Tape Diagram (Grades 1-5)		<ul style="list-style-type: none"> <li>In the early grades, the tape diagram is used to help students visualize the numbers in their word problems.</li> <li>In the upper grades, tape diagrams are used to help students learn fractions and to prepare for algebra.</li> </ul>	<a href="#">Tape Diagram Video</a>
9. Ten Frame (PK-3)		<ul style="list-style-type: none"> <li>In the lower grades, ten frames help children learn counting and place</li> </ul>	<a href="#">Ten Frame Video</a>



- value.
- Ten frames teach children to add and subtract within 20 by recognizing patterns of 5 and 10.