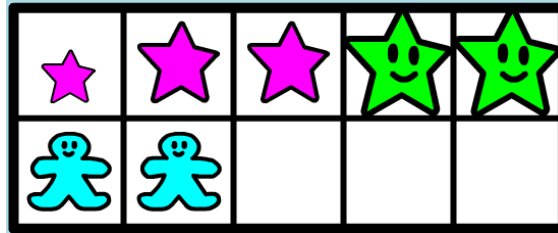


# Set Learning Tool

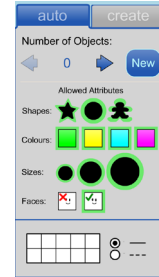
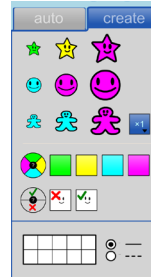
by mathies.ca



## What is it?

In the Set learning tool, sets of objects can be generated randomly or designed by the user. The **Set Tool** allows for up to four attributes to be considered:










1. Shape: Star, Circle and Gingerbread
2. Size: Small, Medium and Large
3. Colour: Green, Yellow, Blue and Pink
4. Face: Shown and Hidden


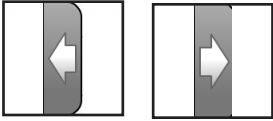



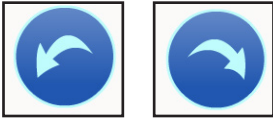


## How do you use the tool?

This tool has two modes: Create and Auto

Panel	Create	Auto
First Section	<ul style="list-style-type: none"> <li>o Nine objects representing all the possible shapes and sizes with random colours and smiling faces are presented</li> <li>o Use the multiplier to quickly create 1, 2, 5 or 10 copies of a shape</li> <li>o Drag any of the shapes from the panel to the workspace</li> </ul>	<ul style="list-style-type: none"> <li>o Number of Objects</li> <li>o Click the left or right arrows to decrease or increase the number of objects on the workspace</li> <li>o Enter a number directly in the text field to change the number of objects on the workspace</li> <li>o Click the New button in the first section of the panel to create a random set using the allowed attributes from the second section</li> </ul>
Second Section	<ul style="list-style-type: none"> <li>o Customize the colours on the objects and to include a face or not</li> </ul>	<ul style="list-style-type: none"> <li>o Allowed Attributes</li> <li>o Customize which shapes, colours, sizes and face or no face will be used</li> </ul>
Third Section	<ul style="list-style-type: none"> <li>o Houses ten frames or frames of tenths that can be used to organize the objects</li> </ul>	<ul style="list-style-type: none"> <li>o Houses ten frames or frames of tenths that can be used to organize the objects</li> </ul>

Learning Tool Icon	Description
<p>Annotation Tool</p> 	<p>Press the pencil button to activate the annotation tool. Select the arrow in the annotation tool or deselect the pencil when you want to work with the learning tool.</p> <p>This is a handy tool to document thinking as one is working with this learning tool.</p> <p>The annotation toolbox includes a pencil with an eraser, shapes, and text.</p>
<p>Auto Arrange</p> 	<p>Line up the objects.</p>
<p>Change</p> 	<p>Change the attributes of the selected object(s). To select, click on an object or draw a marquee around a collection of objects.</p>
<p>Copy</p> 	<p>Copy the selected object(s). To select, click on an object or draw a marquee around a collection of objects.</p>
<p>Delete</p> 	<p>If an item in the workspace is selected, then clicking on the recycle bin removes all selected items. If nothing is selected, then the entire workspace is cleared.</p> <p>Alternatively, drag items to the recycle bin to remove them.</p>
<p>Decrease/Increase Size</p> 	<p>Decrease or increase the size of the objects.</p>
<p>Information</p> 	<p>Additional Information about this learning tool, including the support wiki and feedback form.</p>
<p>Insert Picture</p> 	<p>Import pictures and select the picture if multiple copies are desired. A picture of a question or problem can be embedded within the learning tool.</p>
<p>Number of Copies</p> 	<p>Set the number of copies of an object to 1, 2, 5, or 10 to be dragged from the panel.</p>

Learning Tool Icon	Description
<p>Object Count</p> 	<p>Check to see how many objects are in the workspace.</p>
<p>Panel</p> 	<p>Default setting of the Set learning tool is for the object panel to be open. To make more room in the workspace, the panel can be closed.</p>
<p>Reset</p> 	<p>Press the Reset button to return the tool to its original state with default settings.</p>
<p>Scramble Position</p> 	<p>Randomly distribute all objects within the workspace.</p>
<p>Settings</p> 	<p>Customize the background colour and restore defaults while keeping objects on the workspace.</p>
<p>Undo/Redo</p> 	<p>Step backward or forward through your actions with the tool. It is not only useful for correcting mistakes, but also for revisiting steps taken with the tool to share thinking</p>