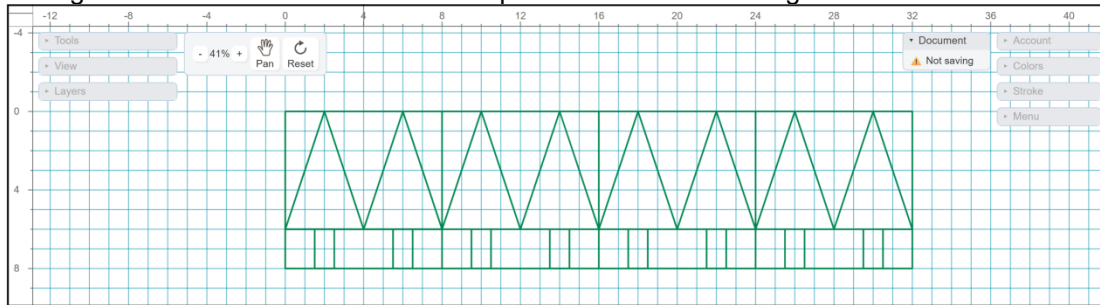


Virtual Graph Paper Application

What is it? Virtual Graph Paper is a web application for creating drawings, such as an original quilt design, on a virtual grid.

Do you have an Example?

I designed these blocks for the back of a quilt to extend the backing fabric:



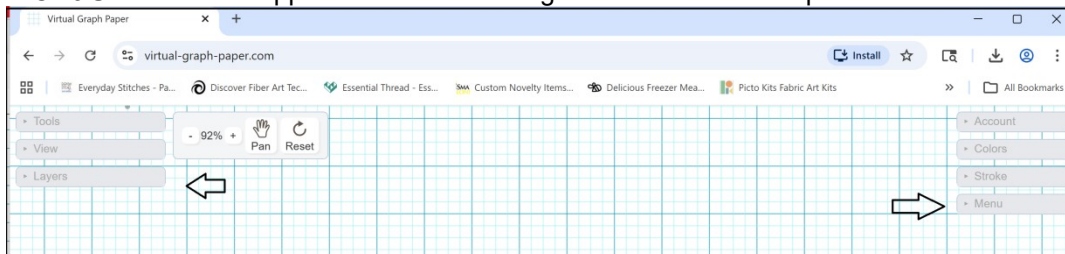
I wanted to figure out the size and shape of a tree, and the number of trees that would easily fit in 1 row.

Where can I find it? <https://virtual-graph-paper.com/>

How do I get started? Click on **Start Drawing** icon.

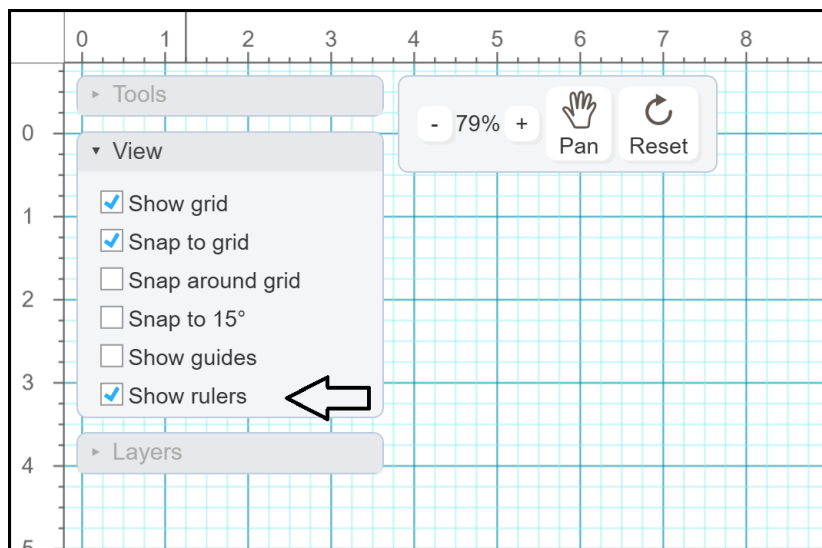
A screenshot of the Virtual Graph Paper landing page. The page has a white background with a black border. At the top, the title 'Virtual Graph Paper' is displayed in a large, bold, black font. Below the title, there is a paragraph: 'Virtual Graph Paper is a web application for creating drawings and illustrations on a virtual grid.' This is followed by another paragraph: 'It's free, and you can use it right here in your browser. Your drawing can be downloaded as a PNG or SVG file, or shared online using a unique URL.' Below that, it says 'Have fun!'. In the center, there is a prominent blue button with the text 'Start drawing' in white. A large white arrow points from the right towards this button. At the bottom of the page, there are several links: 'What's new', 'Discussion board', 'Ask a question/report an issue', 'Privacy policy', and 'Open-source attribution'.

Menus: Menus will appear on the left and right sides on the workspace:



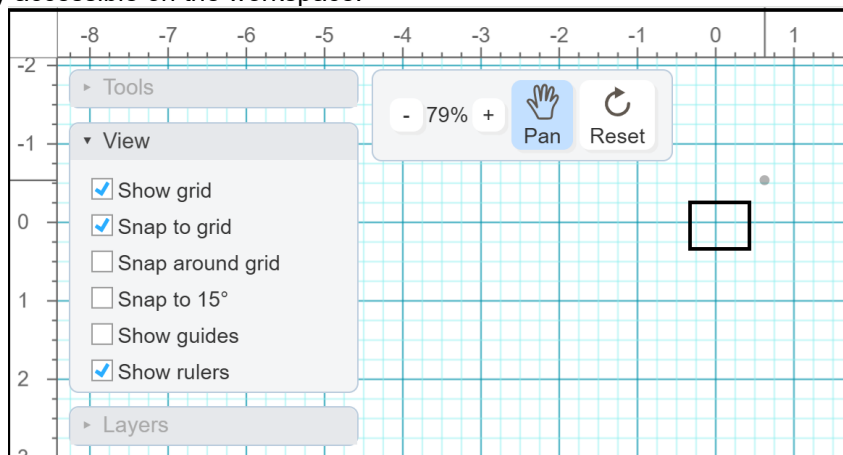
Each menu can be expanded/minimized by clicking on the triangle to the left of the menu name.

Show rulers: In the **View** menu, select **Show rulers**:



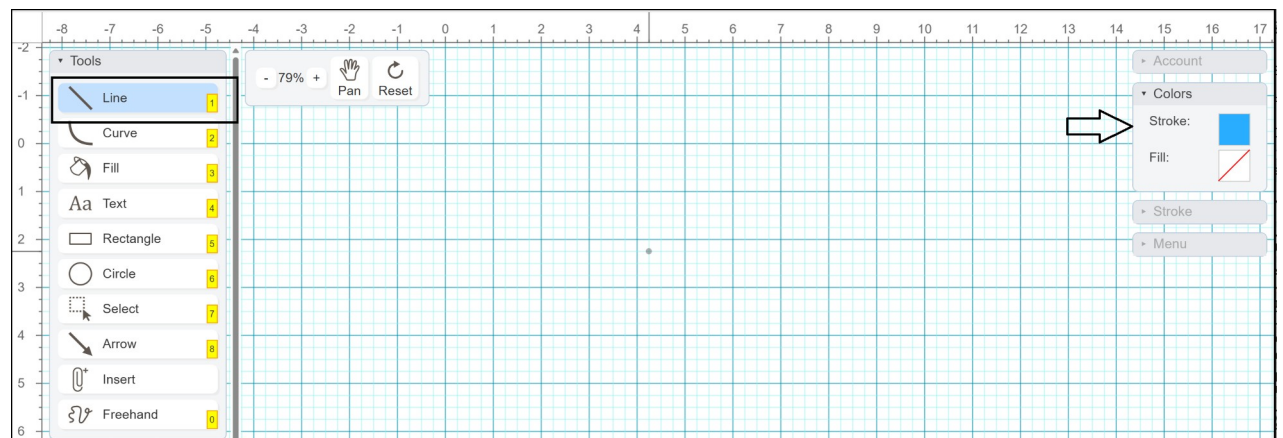
A vertical and horizontal ruler will appear at the edge of the workspace.

Pan: Click on the Pan icon to move the grid so that 0,0 (Upper left corner of the quilt design) is easily accessible on the workspace:



Draw a Line:

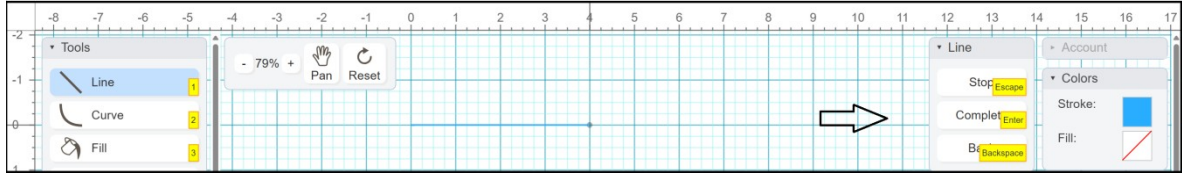
Expand the **Tools** menu, and click on **Line**. Line will highlight in a blue color, when active. Expand the **Colors** menu to display the **Stroke** default color, blue.



A cross with a dot will appear wherever you move the mouse in the workspace.

- 1) Click the mouse starting at (0,0) to start the line.
- 2) A new **Line** menu will appear.
- 3) To make the second point of the line, the end of the line, click the mouse or press Enter on the keyboard.

Example of a 4 inch horizontal line, starting at (0,0):

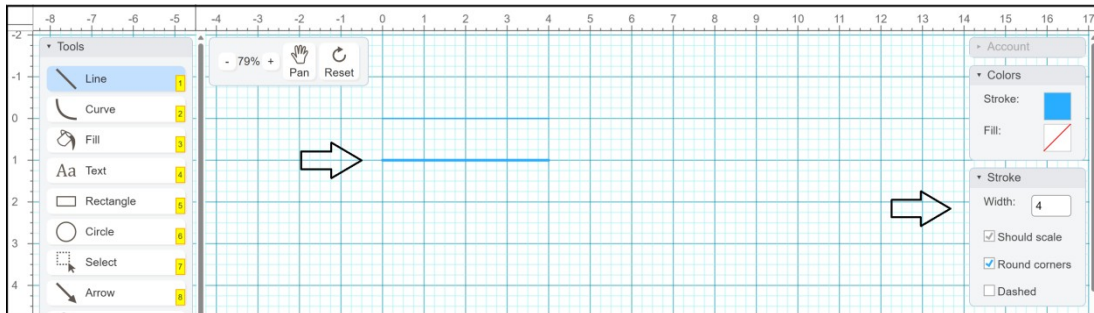


Congratulations you have drawn a line!

Increase Line Width:

Perhaps, this line is a little difficult to see. To increase the width of the line, expand the **Stroke** menu on the right-side of the workspace.

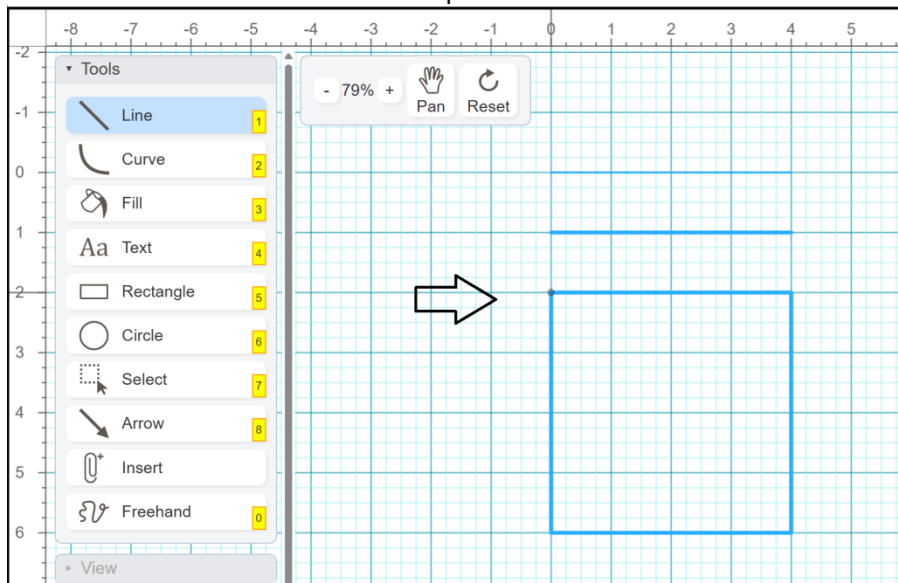
Increase the **Width** using the up/down arrows. Click **Line**, and draw another line:



With a width of 4, the blue line is much easier to see!

Draw a 4" Square block:

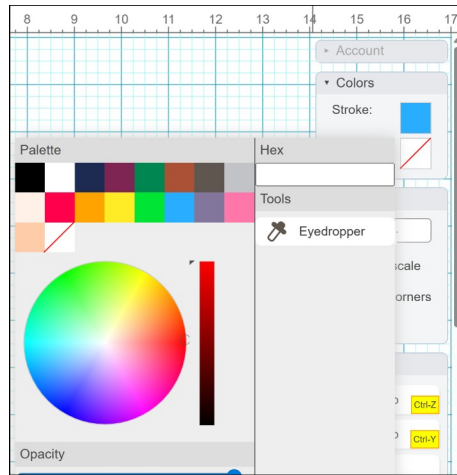
Click the mouse on each corner of a 4 inch square block:



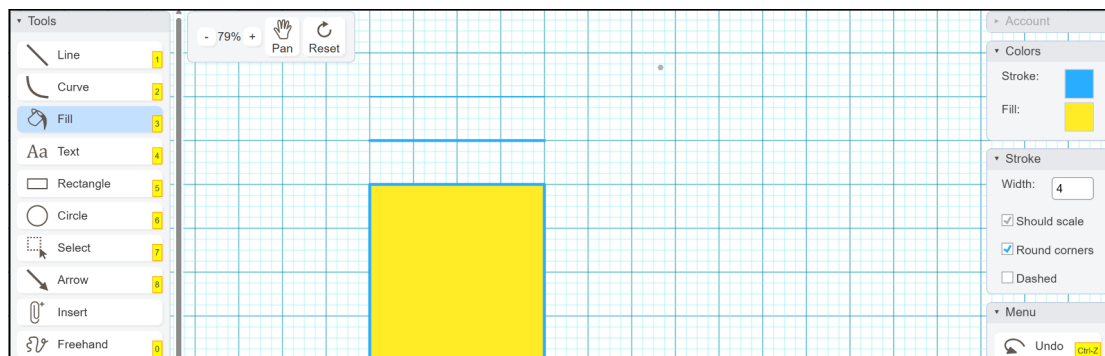
Applying Fill to a Block:

Once a block has been created it is now a closed design, and can be filled with color.

- 1) In the **Tools** menu, select **Fill**.
- 2) In the **Color** menu, the default fill color is none, which is displayed as a white box with the red diagonal line.
- 3) Click the fill color to display the color palette, and then select a color from the palette, or a custom color from the color wheel.



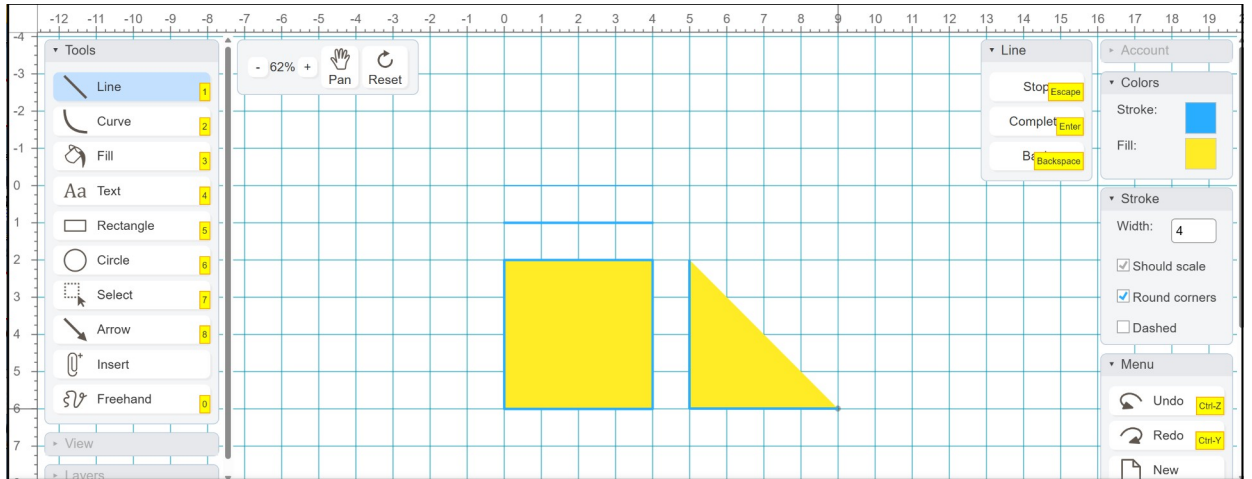
Click in the (closed) square block and the block will automatically fill with color selected, in this case yellow.



Drawing a 4" Square Block with Fill:

If you want the block to fill with color while being drawn:

- 1) In the **Color** menu, click the fill color to display the color palette, and then select a color from the palette, or a custom color from the color wheel.
- 2) In the **Tools** menu, click **Line** to draw a block, if not highlighted in blue.
- 3) Click the mouse on each corner of a 4 inch square block. As you draw the lines, the color selected, yellow, will automatically fill in the block:

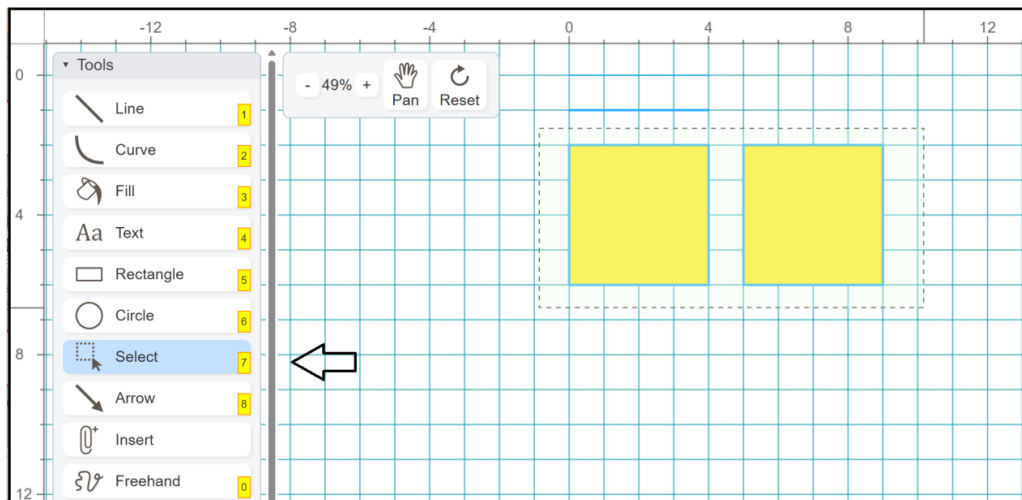


Duplicate a block or blocks:

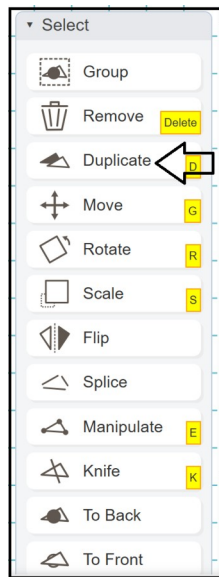
If the quilt design has symmetrical design elements, you can duplicate block(s), rather than drawing each block individually.

- 1) In the **Tools** menu, click on **Select**.
- 2) A cross with a dot will appear wherever you move the mouse in the workspace. Click the mouse and draw a box around the two blocks to duplicate (copy).

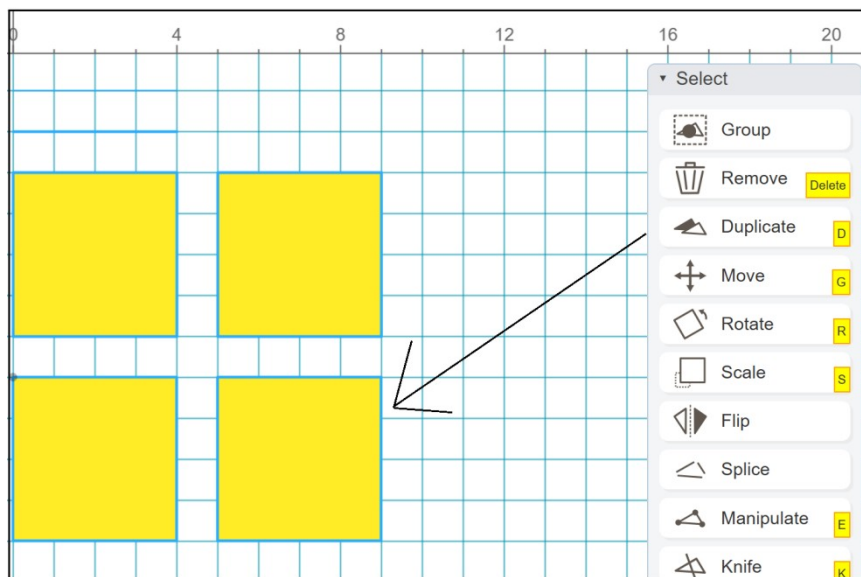
The green background and dashed lines indicate that the 2 blocks have been selected:



A new **Select** menu appears in the workspace:



- 1) Click **Duplicate**.
- 2) Move the mouse and click to place the duplicate blocks at the desired location.



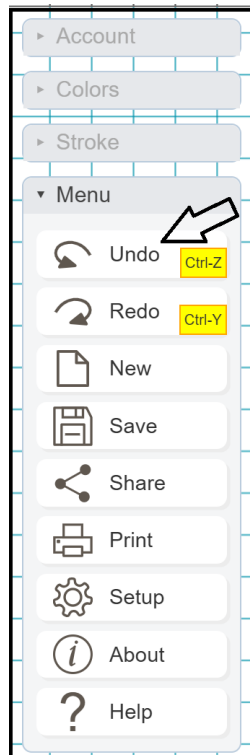
There are now 4 - 4" square blocks in the workspace!

I Made a Mistake:

Undo and Delete are your friends!

Undo works well for line(s) that haven't yet formed a (closed) shape, and for mistakes that you immediately notice.

Undo is located in the **Menu** menu:

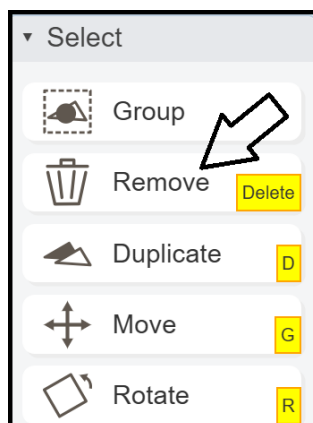


Delete works well for lines that have formed a (closed) shape, such as a square block.

1) In the **Tools** menu, click on **Select**.

A cross with a dot will appear wherever you move the mouse in the workspace. Click the mouse and draw a box around the block to delete.

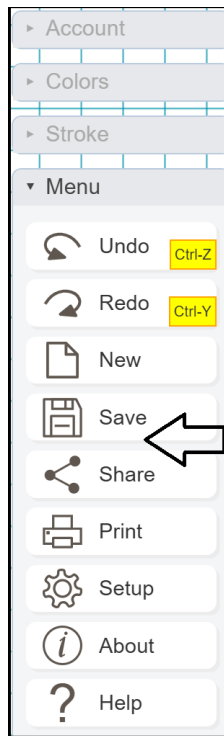
2) When the **Select** menu appears, click the **Remove** icon.



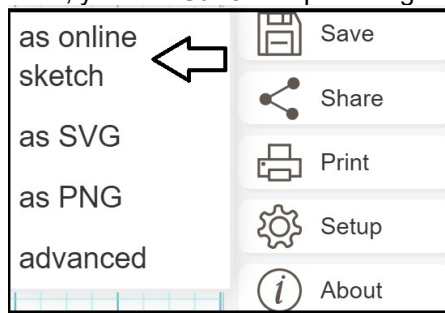
Save or Share:

The Virtual Graph Paper application has a free and paid version, which affects how to access your quilt design at a later date.

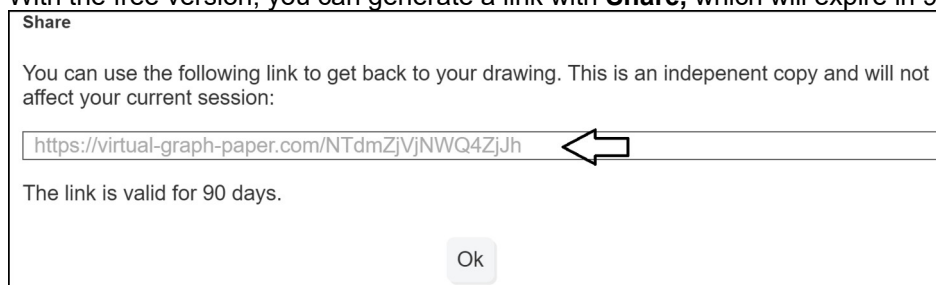
Save and **Share** are located in the **Menu** menu:



With the paid version, you can **Save** the quilt design as an **online sketch**:



With the free version, you can generate a link with **Share**, which will expire in 90 days:

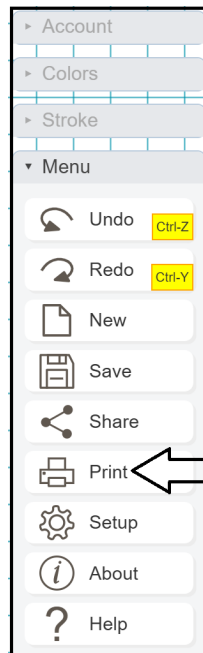


Copy and paste the link to another application, such as Word, for future use.

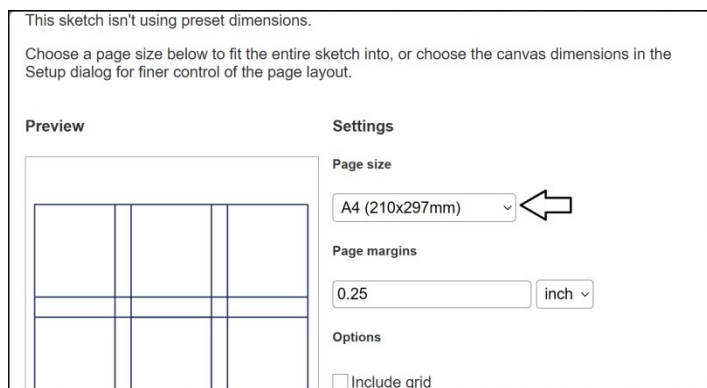
Print:

Upon completion of your quilt design, you can print it.

Print is located in the **Menu** menu:



1) Click on **Print**, and another screen will appear:



- 2) The default **Page Size** is A4 (210X297mm).
- 3) Change the **Page Size** to US Letter (8.5 x 11”).
- 4) Click **Print** at the bottom of the screen.
- 5) Another screen will appear, allowing you to print to Printer or to Save as a PDF. Make your selection, and click **Print**:

