Media Studies

Lesson 2: Creating Digital Graphics

Bethany Davies

Task 1 - Inkscape

Our client, Fab Gadget Ltd., has asked us to create a logo for them. Many different pre-production meetings have been held and the final design has been decided upon. It is your job to create the logo as a vector graphic so that it can be used across all of their different promotional materials. The final design is pictured on this slide:

Task 1 - Creating a website

Assets that are needed to complete this task can be obtained here:

oaknat.uk/comp-digital-graphics

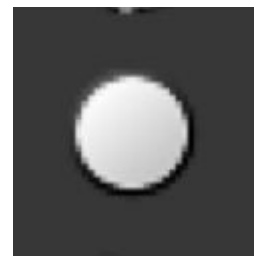# Task 1 - Inkscape

Create the logo by completing the steps below

Step 1
Open InkScape on your computer

Step 2
Select the Circle tool from the left-hand side • This is the icon for the circle tool:

Step 3
Draw a circle by clicking and dragging with your mouse. • To keep your circle in proportion, hold down CTRL and Shift together while you draw it.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 4

Move the circle into the centre of the page

- Use the Select tool and click and drag the circle to position it where you want

Step 5

Adjust the **Fill** and **outline** (called **Stroke** in Inkscape) of the circle.

- With the circle selected, choose your **Fill** colour from the colour bars across the bottom of the screen. In the example, we have used 7.5% grey
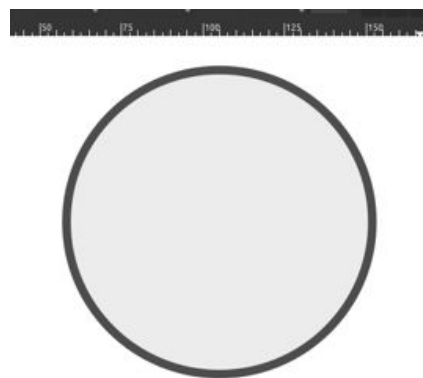
Task 1 - Inkscape

Create the logo by completing the steps below

Step 5 - Continued

Now, while holding the **Shift** key, select the colour for your **Stroke**. In the example, we have used 70% grey. You should now have a circle that looks like this:

Step 6

Add the text

- Click on the **Create text** tool from the left-hand side and click on some white space on the page and type **FAB GADGET LTD.**.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 7

Change the font

- Press **Shift** + **Ctrl** + **T** to open the **Text and Font** tools and select a font. Press **Apply** when you have found the one that you want.

Step 8

Wrap the text around the circle.

- Using the **Select** tool, select the text and then hold **Shift** and select the circle too. Now, from the main menu, select **Text > Put on Path**.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 9

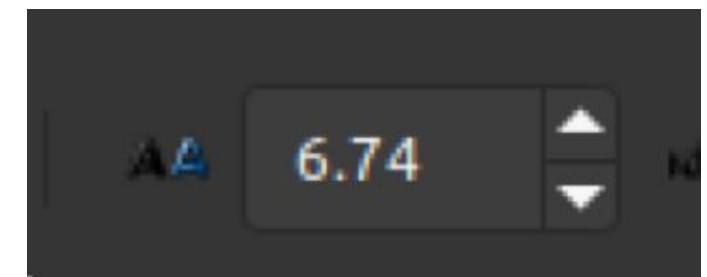**Flip** the text inside the circle.

- With both the circle and text still selected, press the **Flip selected objects horizontally** button or press **H** on the keyboard.

Step 10

Increase the letter spacing.

- Click on the **Create text** tool from the left-hand side again, and then from the top menus, increase the **Spacing between letters** value until it looks right.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 11

Position the text at the **bottom** of the circle.

- Select just the circle with the **Select** tool and click on it a second time so the **Rotate** tools appear Now, rotate the circle to position the text at the bottom of the circle.

Step 12

Turn the text into a **vector path**.

- Select just the text and go to **Path > Object to Path** from the main menu, or press **Shift** + **Ctrl** + **C**. You have now disassociated the text from the circle.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 13

Enlarge the circle.

- Select just the circle and, while holding **Shift** + **Ctrl**, stretch the circle from the top left-hand corner to make it slightly larger so that the text sits inside the circle.

Step 14

Change the **text colour**.

- Select the text and change the colour. We have used a goldish colour in the example.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 15

Add a **drop shadow** to the text.

- With the text still selected, right-click on it and select **Duplicate**, then change the colour to dark grey. Now, lower the new text down a layer by pressing **Page down**, and finally, offset it by pressing the **down cursor** once.

Step 16

Create the yellow sun.

- Draw a circle in the middle of your grey circle while holding **Shift** + **Ctrl**. Don't worry if it is not in exactly the right place; you will align it next.
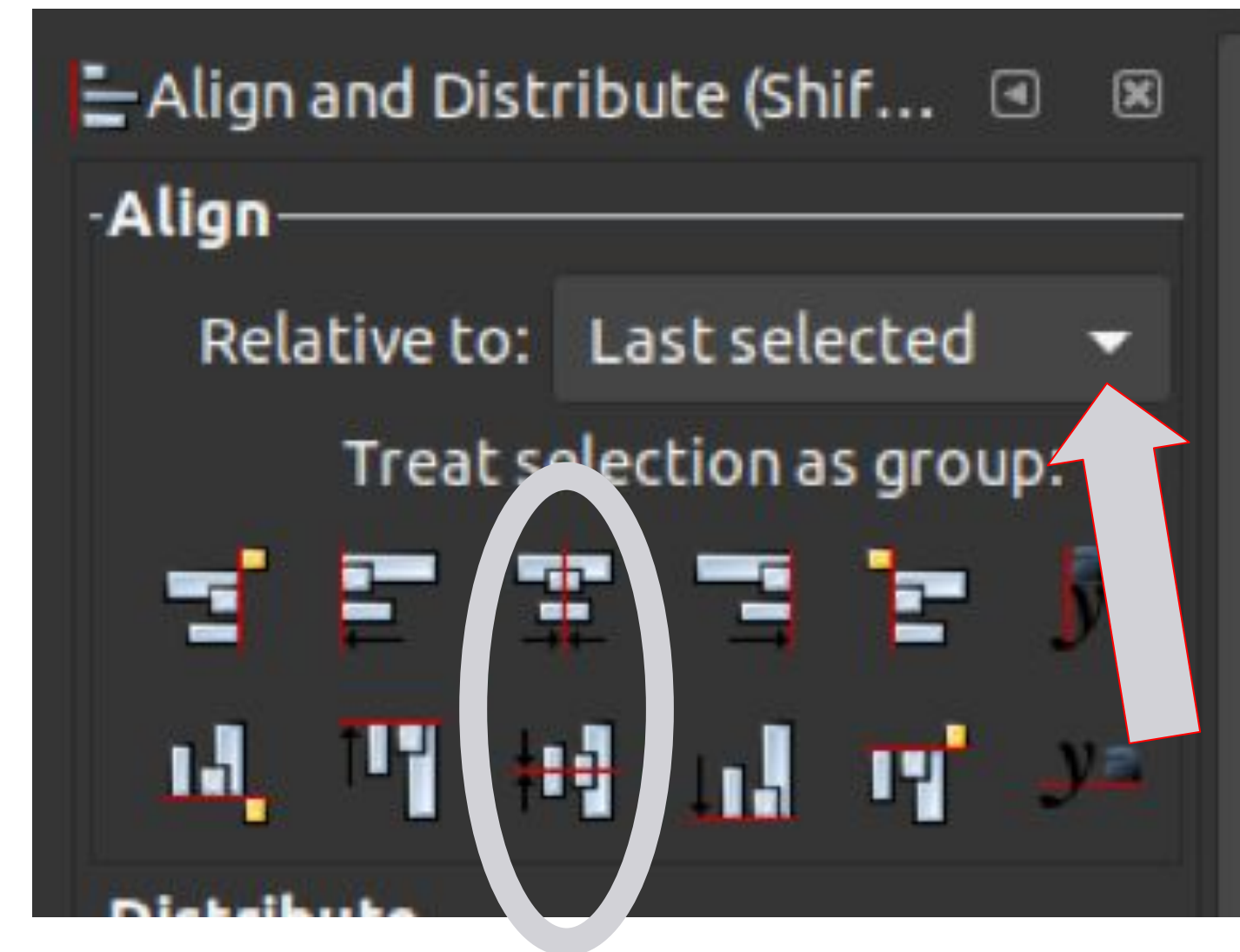
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Create the logo by completing the steps below

Step 17

Align the yellow sun.

- Click on the **Select** tool, and with the new circle still selected, hold down **Shift** and select the outer circle. Now, press **Ctrl** + **Shift**+ **A** to open the **Alignment** tools.
- Change the **Relative to:** to **Last selected** and then click both the **Centre on vertical axis** and **Centre on horizontal axis** buttons.
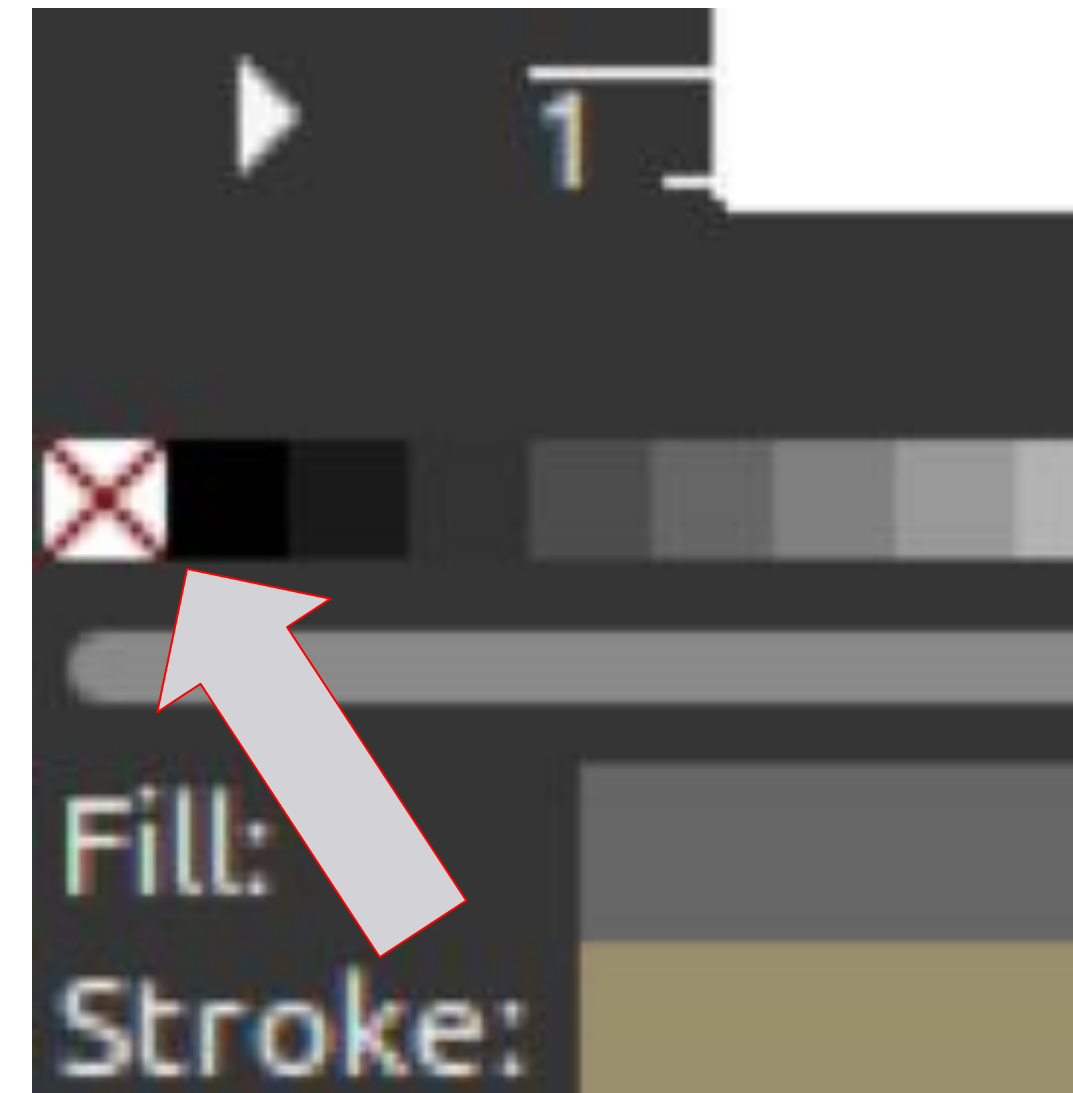
Task 1 - Inkscape

Create the logo by completing the steps below

Step 18

Remove the stroke from the yellow sun

- Select just the inner circle by clicking in the white space and then selecting the inner circle again. Now, hold down the **Shift** key and select the white square with a red cross through it at the start of the colour selector.
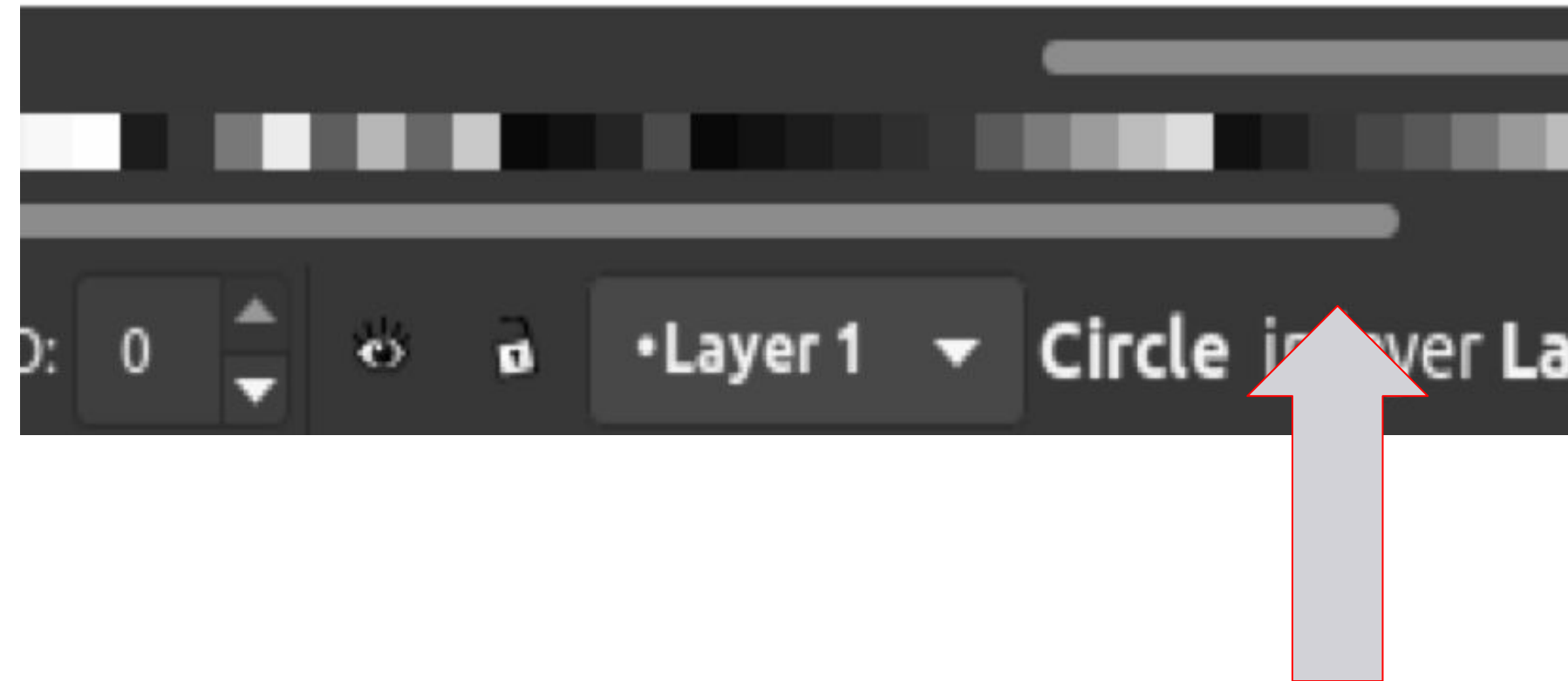
Task 1 - Inkscape

Create the logo by completing the steps below

Step 19

Change the **Fill colour** of the yellow sun.

- With the inner circle still selected, let go of **Shift** and select the colour from the bottom menu; you may need to scroll to the right to see all the colours.
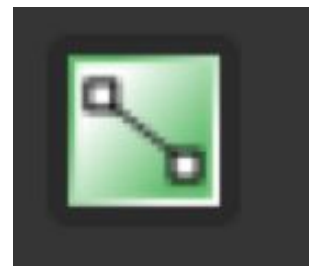
Task 1 - Inkscape

Create the logo by completing the steps below

Step 20

Change the **Fill** to a **Gradient.**

- Select the **Gradient** tool from the left-hand side and from the tool presets at the top of the screen, select to create a radial gradient.
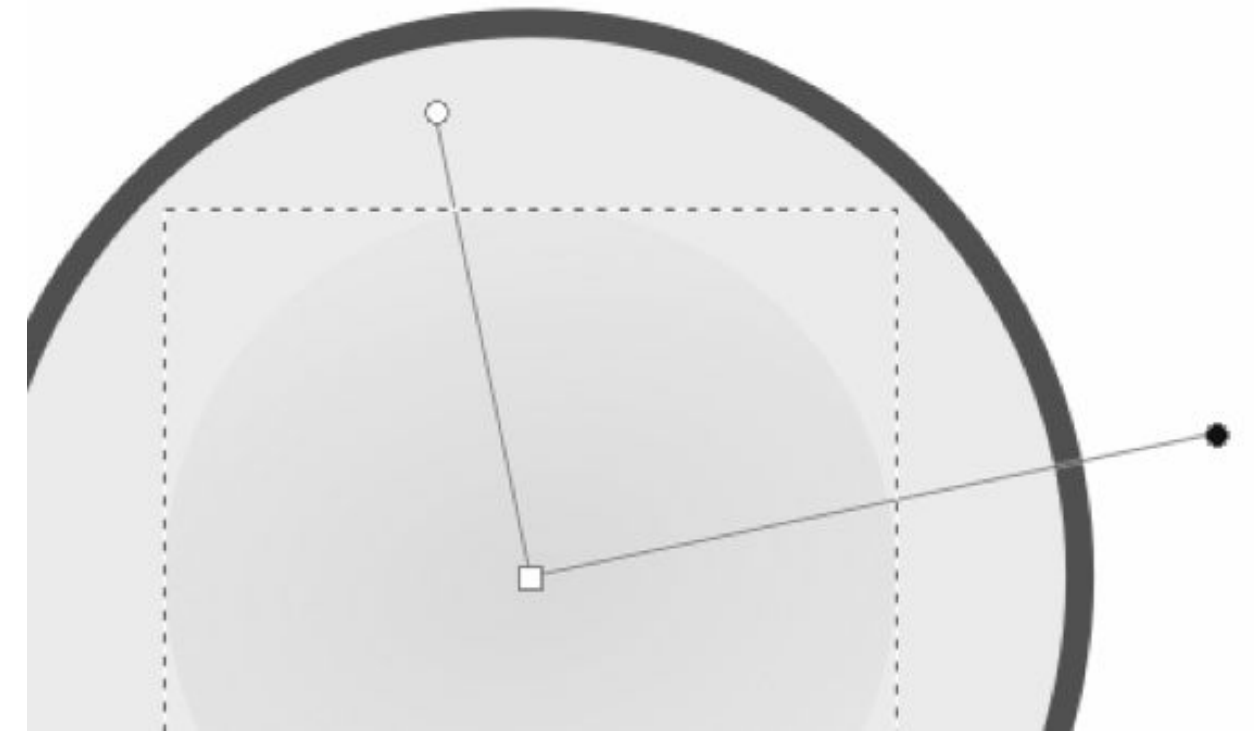
Task 1 - Inkscape

Create the logo by completing the steps below

Step 20 - Continued

Now, **double-click** on the circle to create the radial gradient. Adjust the two handles to get the size and effect of gradient that you want.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 21

Create the **lightning bolt**. Start with a square.

- Select the **Create rectangles and squares** tool from the left-hand side and draw in a square in the white space around your logo, holding down **Shift** + **Ctrl** while you draw the shape to make it a perfect square.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 22

Rotate the square.

- Now, use the **Select** tool and click on the square again so that the **Rotate** handles appear: Then, while holding **Ctrl**, move the top right-hand corner down three times so that your square is rotated through **45** degrees.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 23

Convert the square into a **vector path**.

- Select the square and then choose **Path > Object to path** from the main menu or press **Shift** + **Ctrl** + **C**.
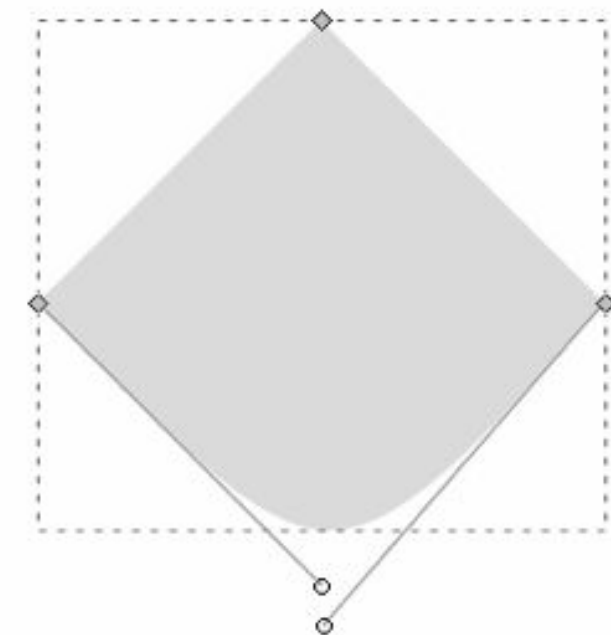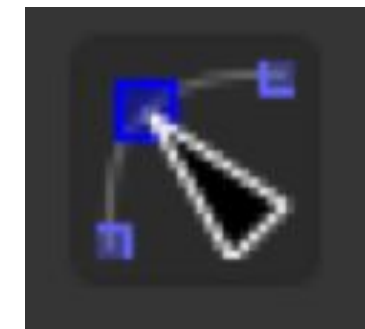
Task 1 - Inkscape

Create the logo by completing the steps below

Step 24

Turn the square into a **triangle**.

- Select the **Edit paths by nodes** tool from the left-hand side and select your square. Click to select the handle at the bottom of your square, then press **Delete**. You will then have two handles and your shape should look a little like the image to the right. Move the two handles up to the left and right respective handles so that your shape becomes a triangle.
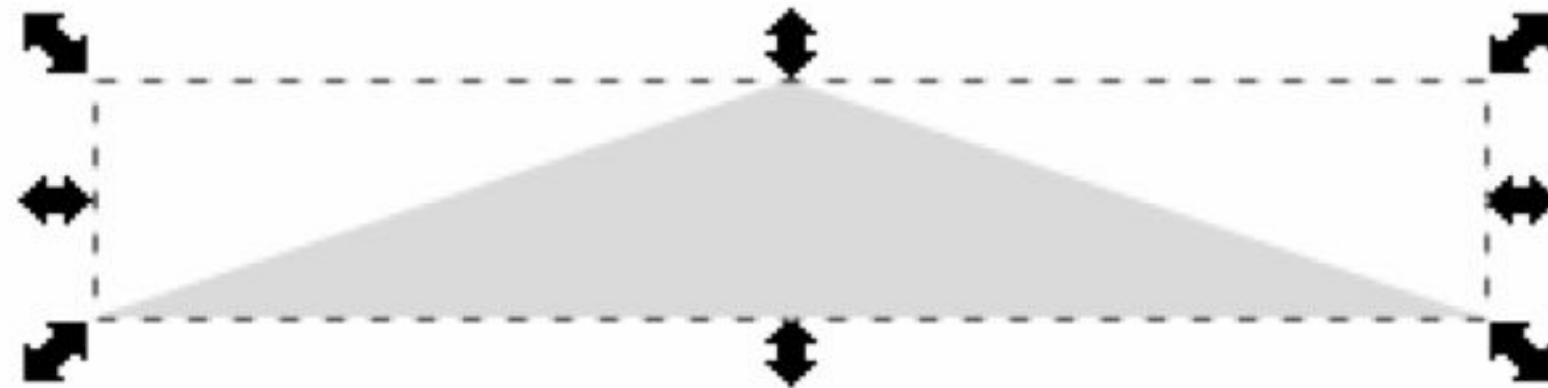
Task 1 - Inkscape

Create the logo by completing the steps below

Reduce the height of the triangle.

- Select the triangle using the **Select** tool again and decrease the height of the triangle until your shape looks a little like this:
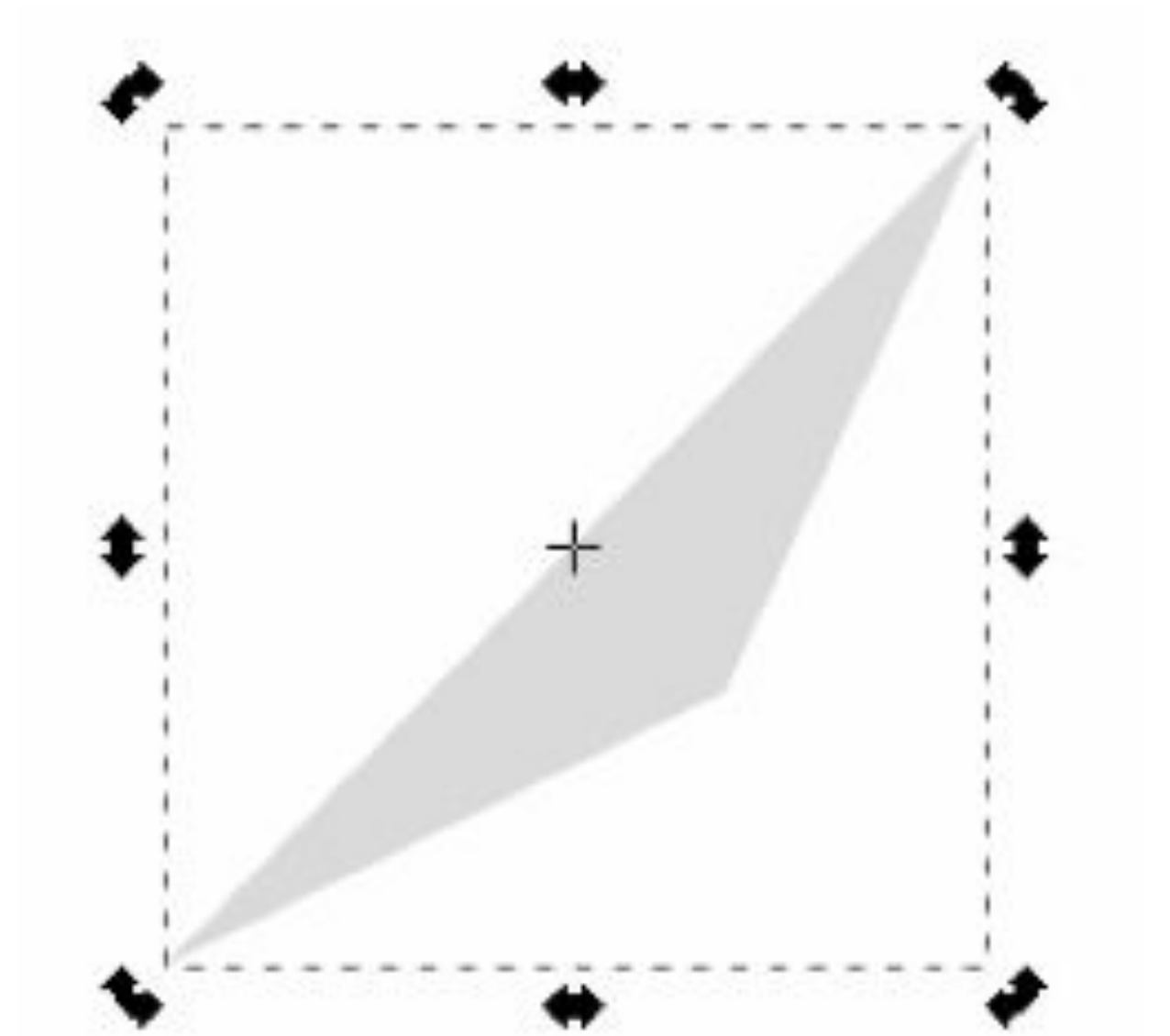
Task 1 - Inkscape

Create the logo by completing the steps below

Step 26

Rotate the triangle.

- Click on the triangle again to bring up the **Rotate** tools, and rotate the shape until it is in this position:

Task 1 - Inkscape

Create the logo by completing the steps below

Step 27

Duplicate the triangle, flip it, and make the lightning bolt.

- Right-click on the triangle and select **Duplicate** or press **Ctrl** + **D**, then press **V** and **H** to flip the duplicated shape both horizontally and vertically.
- Now, use your cursor keys to position the shapes until they make the shape of a lightning bolt.
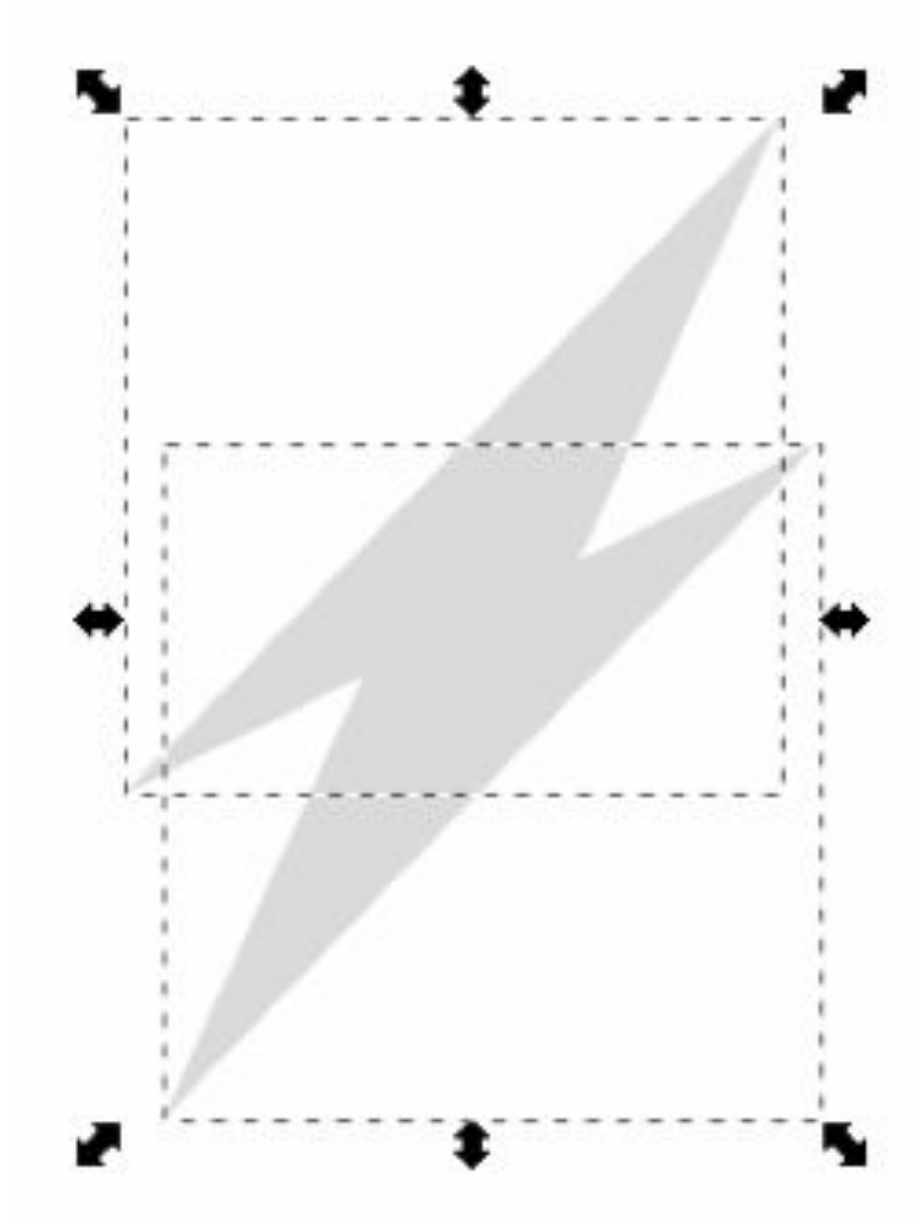
Task 1 - Inkscape

Create the logo by completing the steps below

Step 28

Join the two triangles together.

- Select both triangles by drawing a box around them. Select **Path > Union** from the main menu to join the shapes together.

Task 1 - Inkscape

Create the logo by completing the steps below

Step 29

Change the colour of the lightning bolt and **position** it.

- You can now change the colour of the lightning bolt or set a gradient in the same way as you did for the inner circle. Once you are happy with the colour, position the lightning bolt in the centre by selecting the lightning bolt and then the outer circle, and then aligning it horizontally and vertically, as you did in Step 17.

Task 1 - Inkscape

Create the logo by completing the steps below
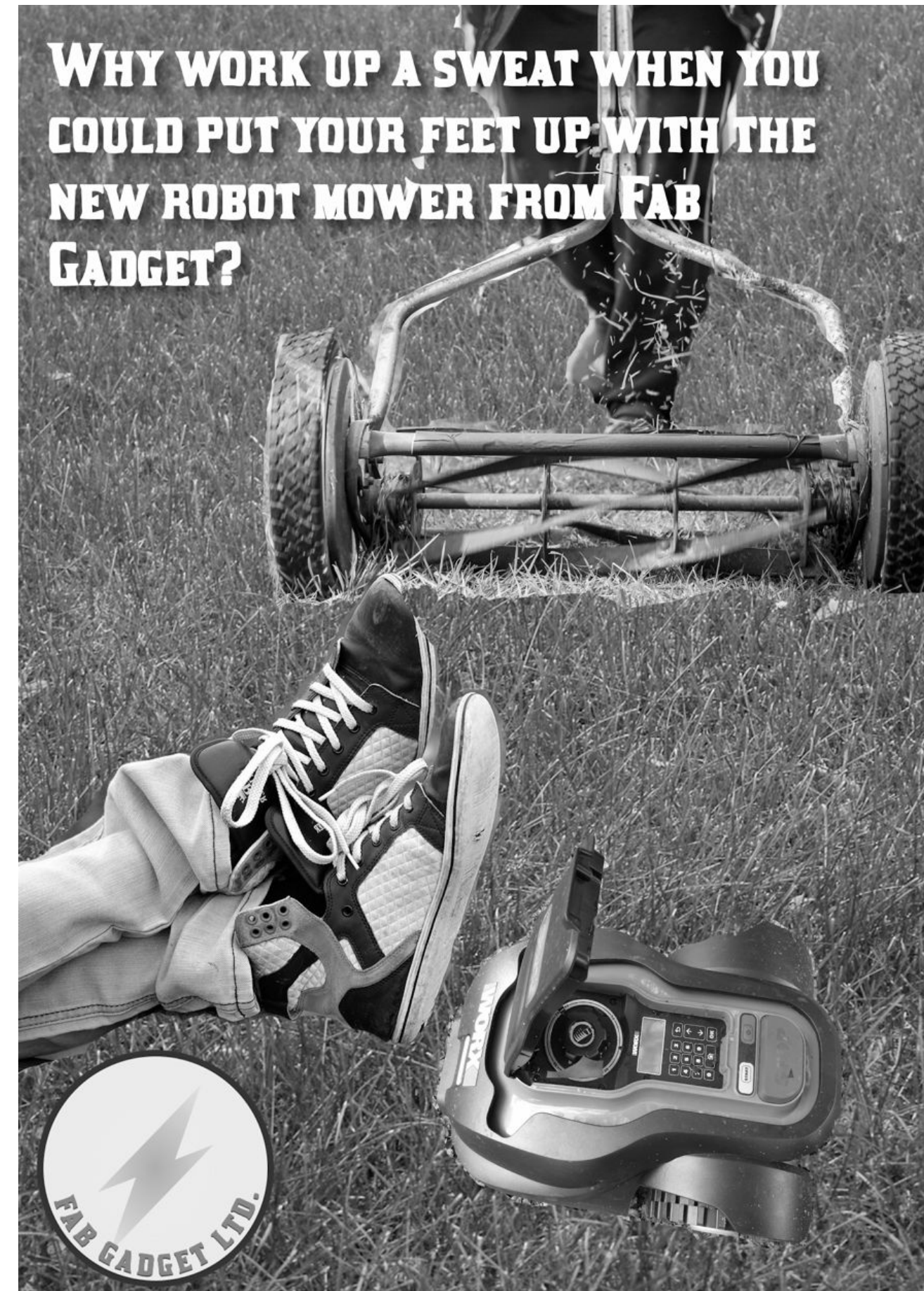
Step 29

Save and **export** your logo.

- Save your logo as an SVG file by selecting **File > Save as**.
- Export it to a PNG image by selecting **File > Export PNG Image…**.

Task 2 -GIMP

Our client, Fab Gadget Ltd., has asked us to create a poster for their latest robotic lawnmower. The pre-production meetings have been completed and the graphical assets and wording have all been decided upon already. The have been supplied to you within the Zip Folder. When there are multiple pictures of the same thing, you are free to select the one that you prefer. The wording is indicated in the steps on the coming slides. You will make use of the open source application GIMP to design your poster.

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Task 2 - GIMP

Create the poster by completing the steps below

Step 1
Open GIMP on your computer.

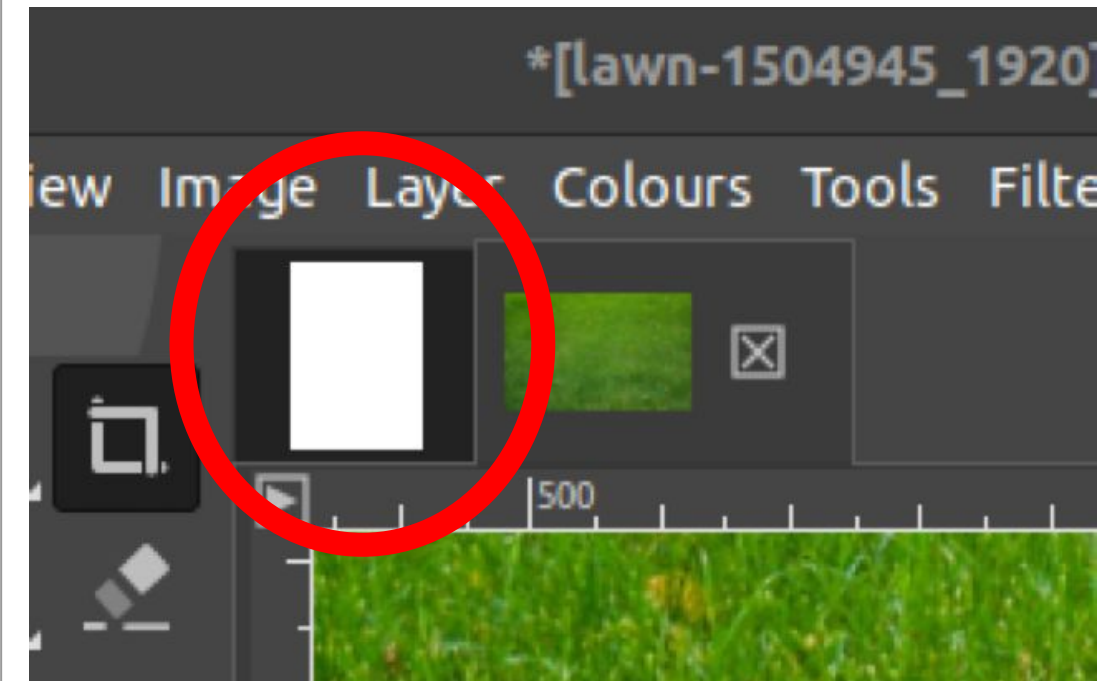| Step 2 |
| --- |
| Create an empty **A4 document**.

• Create a new file by pressing **Ctrl** + **N**. Select **A4 (300 ppi)** from the template and click on **OK**. |

Task 2 - GIMP

Create the poster by completing the steps below

Step 3

Add a lawn picture as a **background**.

- Press **Ctrl** + **o** to open a new file and browse to one of the pictures of a garden lawn.
- Select all of this image by pressing **Ctrl** + **A** and then copy it by pressing **Ctrl** + **C**.
- **Select** your original tab as indicated here
- Paste the lawn image as a new layer into the poster by selecting **Edit > Paste as > New Layer** from the main menu.
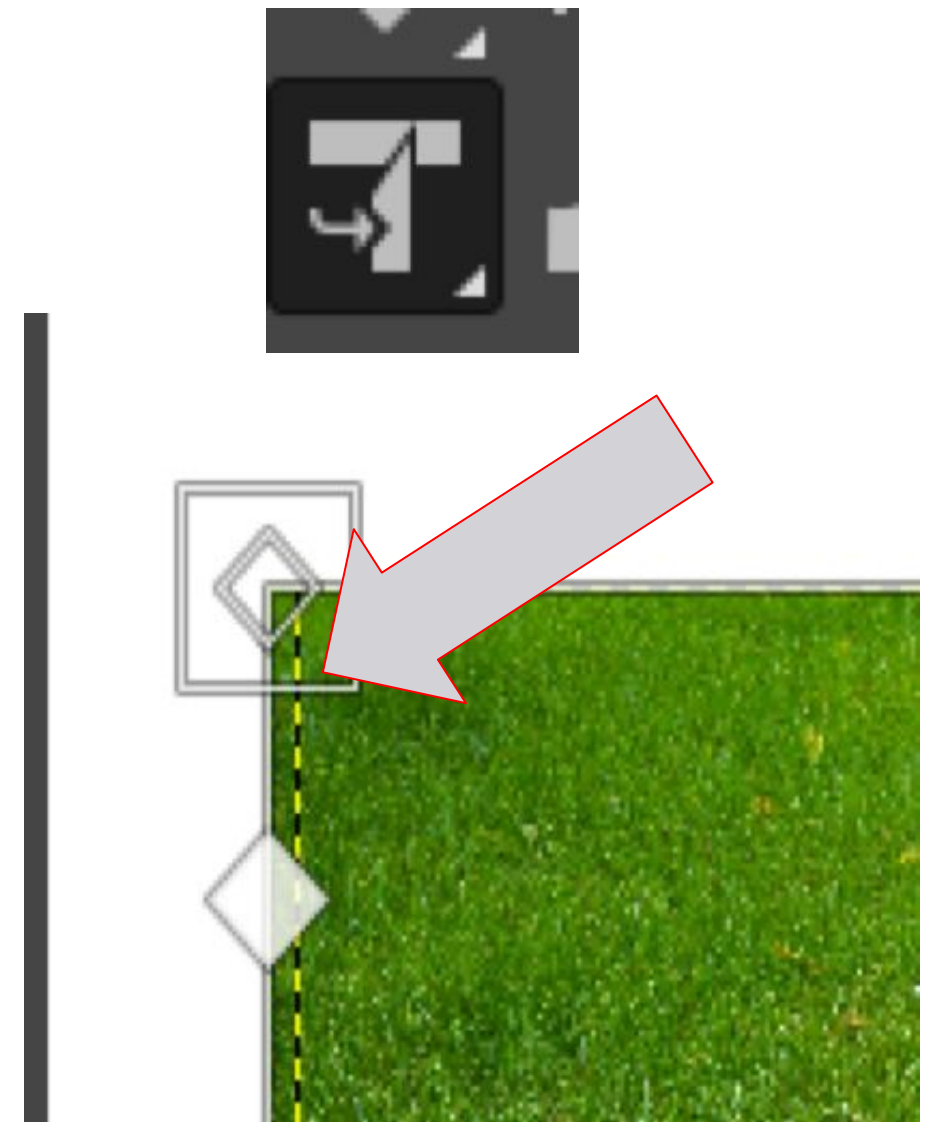
Task 2 - GIMP

Create the poster by completing the steps below

Step 4

Resize the layer.

- Select the **Unified Transform Tool** from the top left-hand side.
- Click on the lawn image. Stretch the image to cover the whole background by dragging it by the corner of the outer square handle as indicated here:
- Press **Enter** to perform the transform.

Task 2 - GIMP

Create the poster by completing the steps below

Step 5

Add a **robot lawnmower picture**

- Open the image that you want to use and copy and paste it as a new layer in the same way as you did in Step 3.

Task 2 - GIMP

Create the poster by completing the steps below

Step 6

Remove the background of the robot lawnmower.

- Use the **Eraser** tool to erase the background from around your robot lawnmower so that it looks like it is sitting on top of the lawn that you pasted before.
- If you want to resize this layer, use the **Unified Transform Tool** in the same way as when you resized the background.
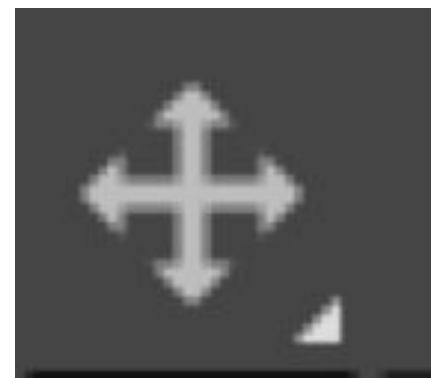
Task 2 - GIMP

Create the poster by completing the steps below

Step 7

Position the robot lawnmower.

- Use the **Move** tool to position your robot lawnmower where you want it on your poster.

Task 2 - GIMP

Create the poster by completing the steps below

Step 8

Add a **relaxing picture** to the poster.

- Follow the same steps as above to include one of the **relaxing** pictures.
- Remove its background using the **Eraser** tool.
- Scale and position the image using the **Unified Transform Tool**.
- **Tip:** If you make a mistake, use **Ctrl** + **Z** to undo your changes. You can **zoom in** by pressing the **+** button and **zoom out** by pressing the **-** button.

Task 2 - GIMP

Create the poster by completing the steps below

Step 9

Add a **manual lawnmower picture** to the poster.

- Repeat these steps again to add one of the pictures of a manual lawnmower to your poster.

Task 2 - GIMP

Create the poster by completing the steps below

Step 10

Add text to the poster.

- Click on the **Text** tool and click on your poster. Type the following:
- **Why work up a sweat when you could put your feet up with the new robot mower from Fab Gadget?**
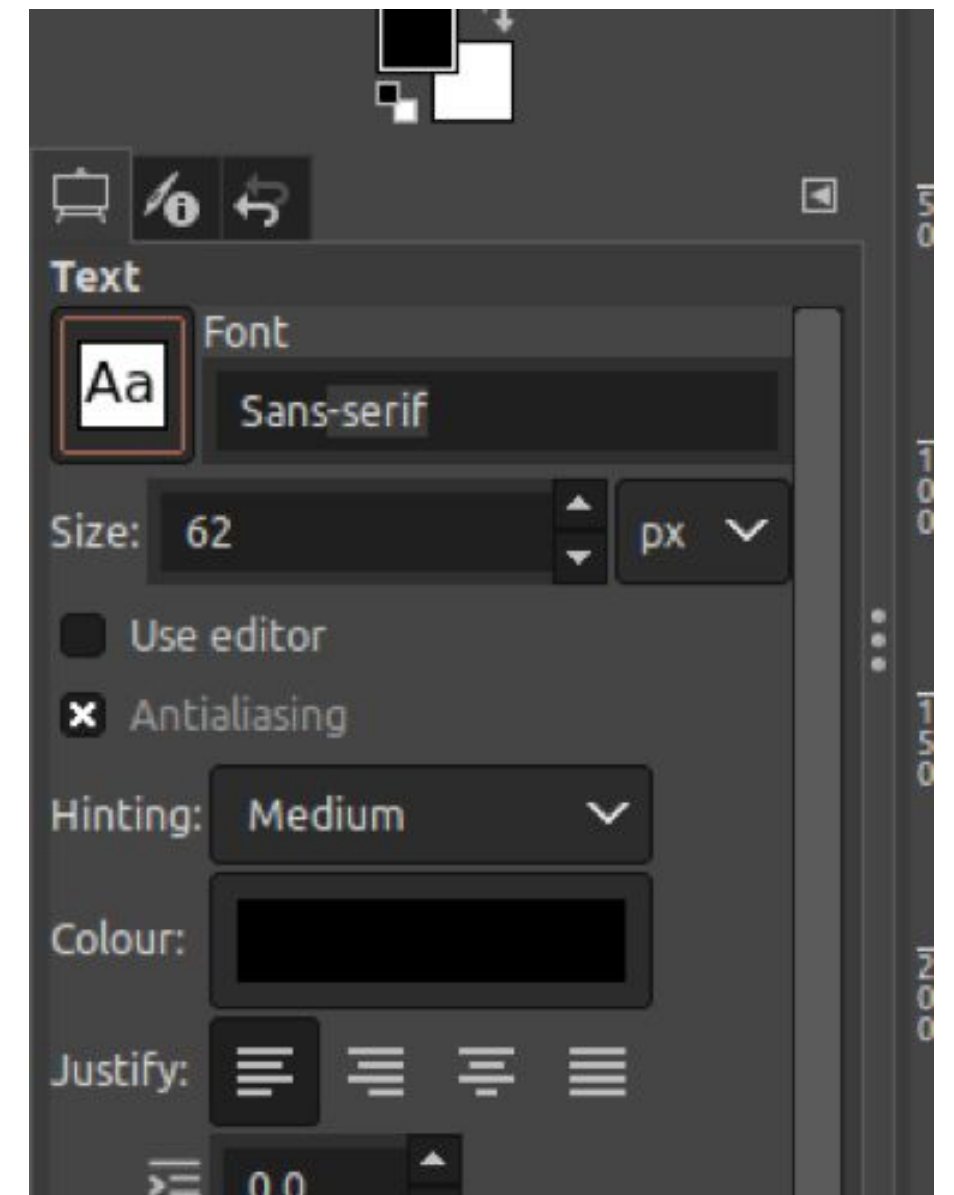
Task 2 - GIMP

Create the poster by completing the steps below

Step 11

Change the **font** and **size** of the text.

- Use the **Text** tools to change the font and size of the text. Use the handles to control the size of the text box.

Task 2 - GIMP

Create the poster by completing the steps below

Step 12

Add a **drop shadow** to the text.

- Make sure you have your text layer selected, and then go to **Filters > Light and shadow > Drop shadow** from the main menu.

Task 2 - GIMP

Create the poster by completing the steps below

Step 13

Add the **Fab Gadget logo.**

- Open the PNG file of the logo that you created in the 'Create vector graphics with Inkscape' activity.
- Now, copy and paste it as you did with the other images. **Note:** There is no need to delete the background of this image, as it was saved with a transparent background from Inkscape.
- Use the tools to scale and position the logo where you want it.

Task 2 - GIMP

Create the poster by completing the steps below

Step 14

Save and **export** your file.

- Use **File > Save as** to save your file as an **.xcf** file. This is GIMP's native file format and will preserve all of the layers so that you can edit it later if you need to.
- Now, export your poster as a raster graphic file by selecting **File > Export** from the main menu. It will default to saving a **.png** file with the same name as the file that you just saved. Click on **Export** twice to complete the poster.