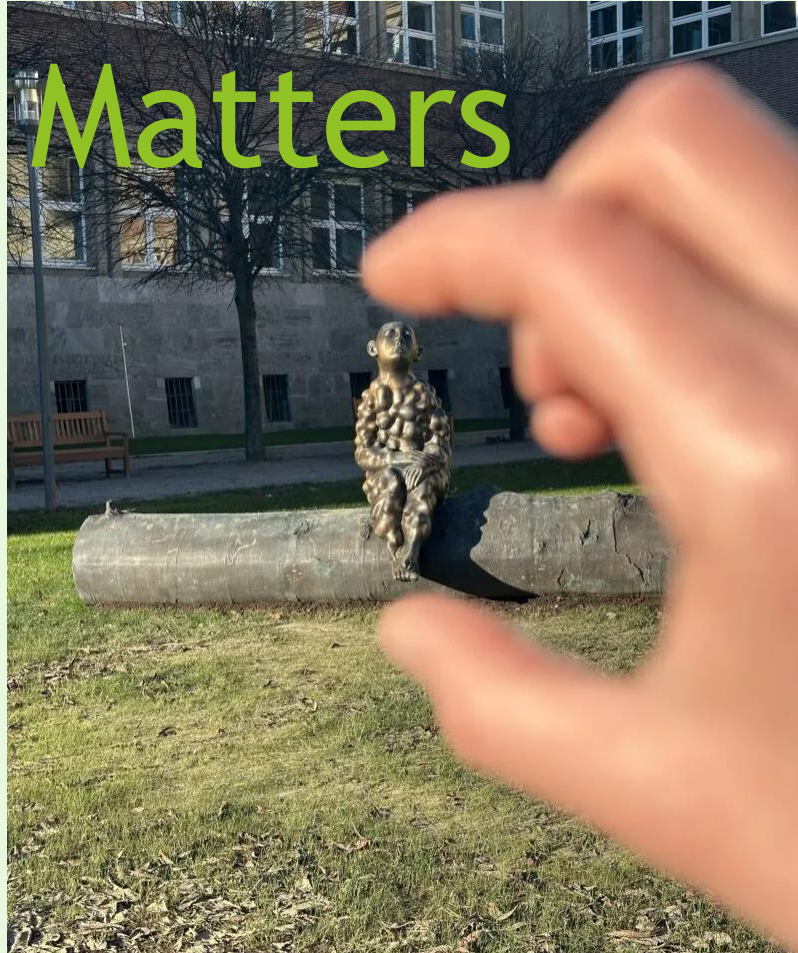


# Size Matters



## Understand Resolution

Resolution refers to the amount of detail in your image

An image is made up of pixels: e.g.  $6000 \times 4000 = 12$  million pixels

PPI refers to the density of pixels (i.e. the number per inch)

72 ppi is fine for digital display

300 ppi is good for quality printing



# How do I know the size of my images?

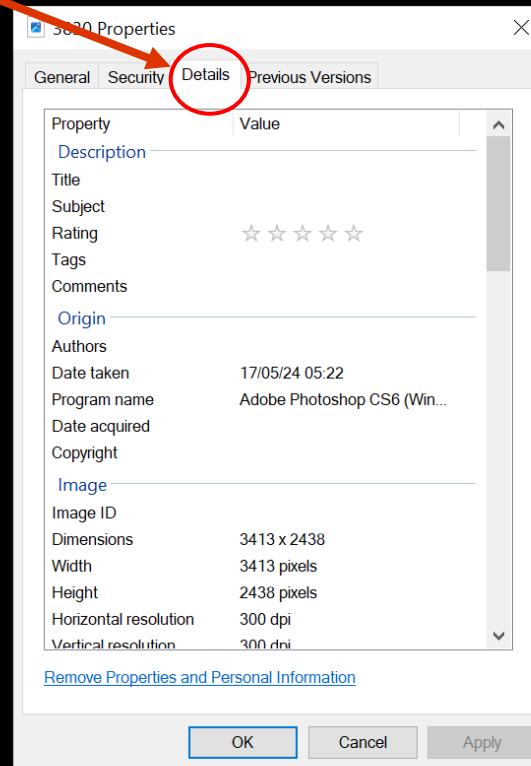
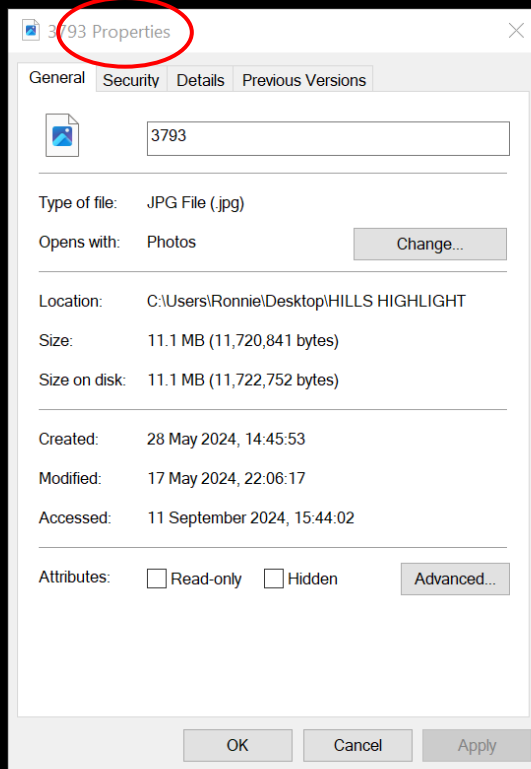
In Windows - open the folder containing your file(s)

Select your picture file and 'RIGHT CLICK'

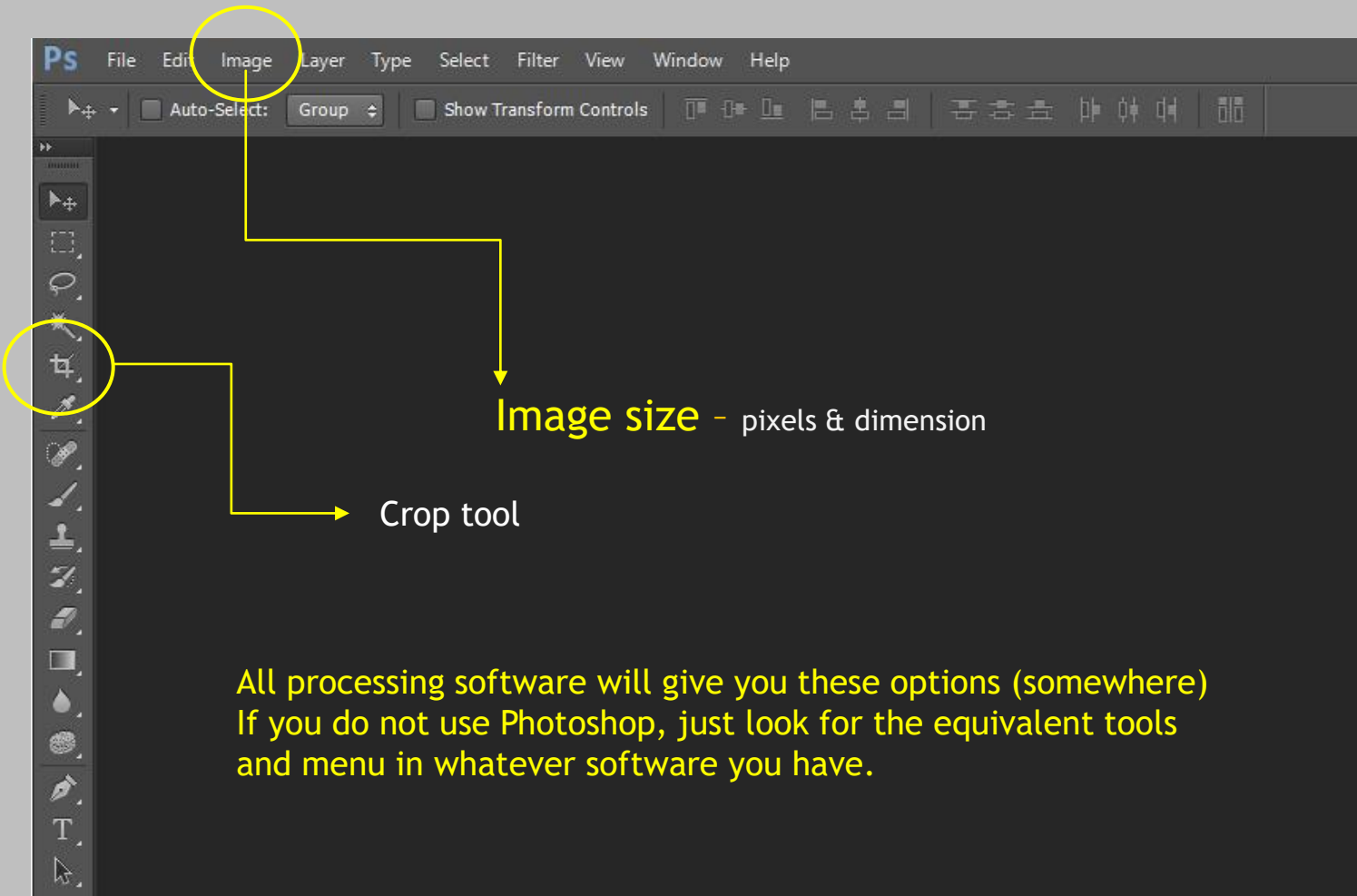
From the bottom of the menu - click 'PROPERTIES'

...now you can see basic file data including file size

You can now select 'DETAILS' ... you can find pixel size and more



# Basic Photoshop screen: Cropping and Resizing



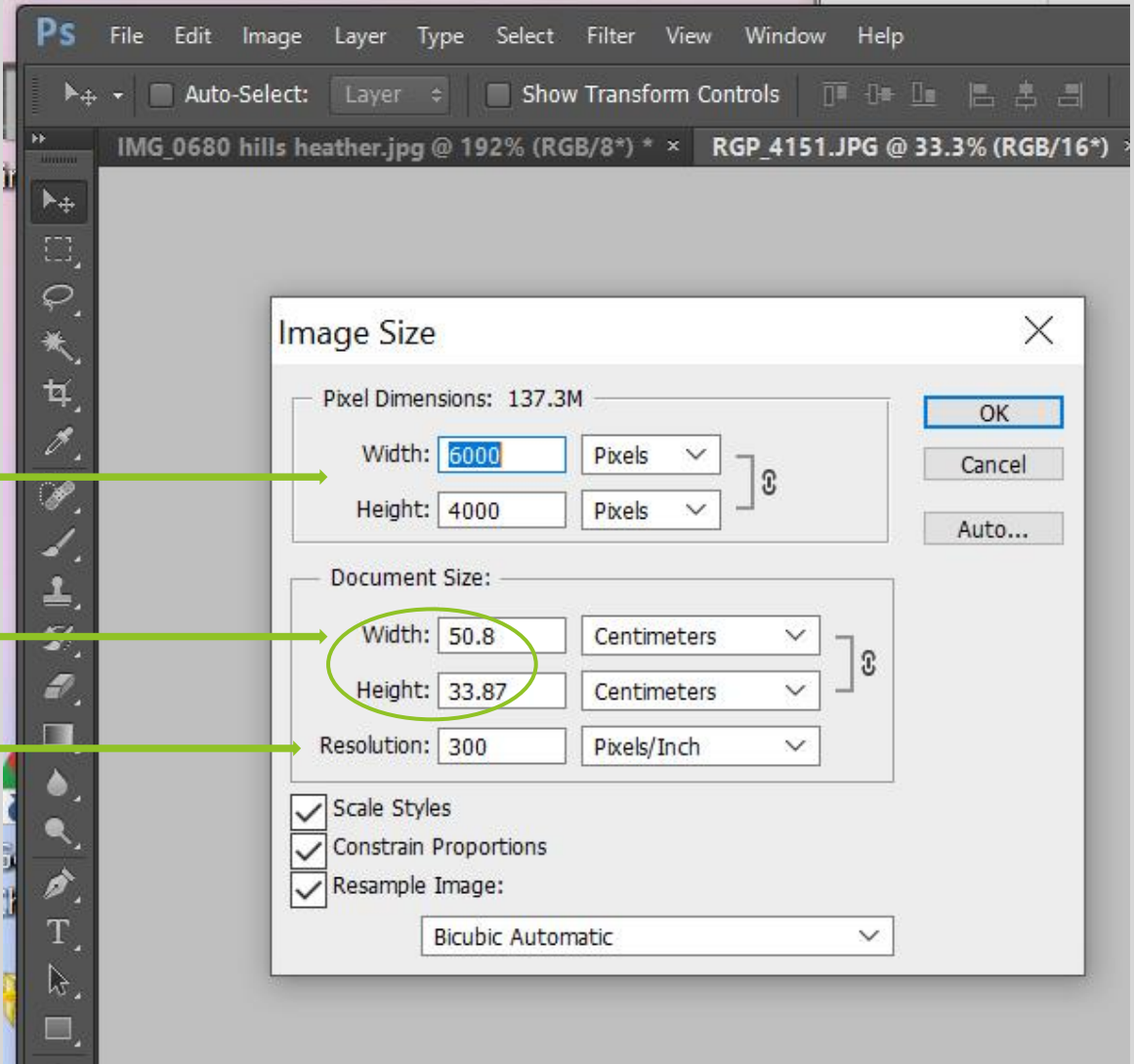
# Resizing

Pixel size, image size and resolution can be resized from here

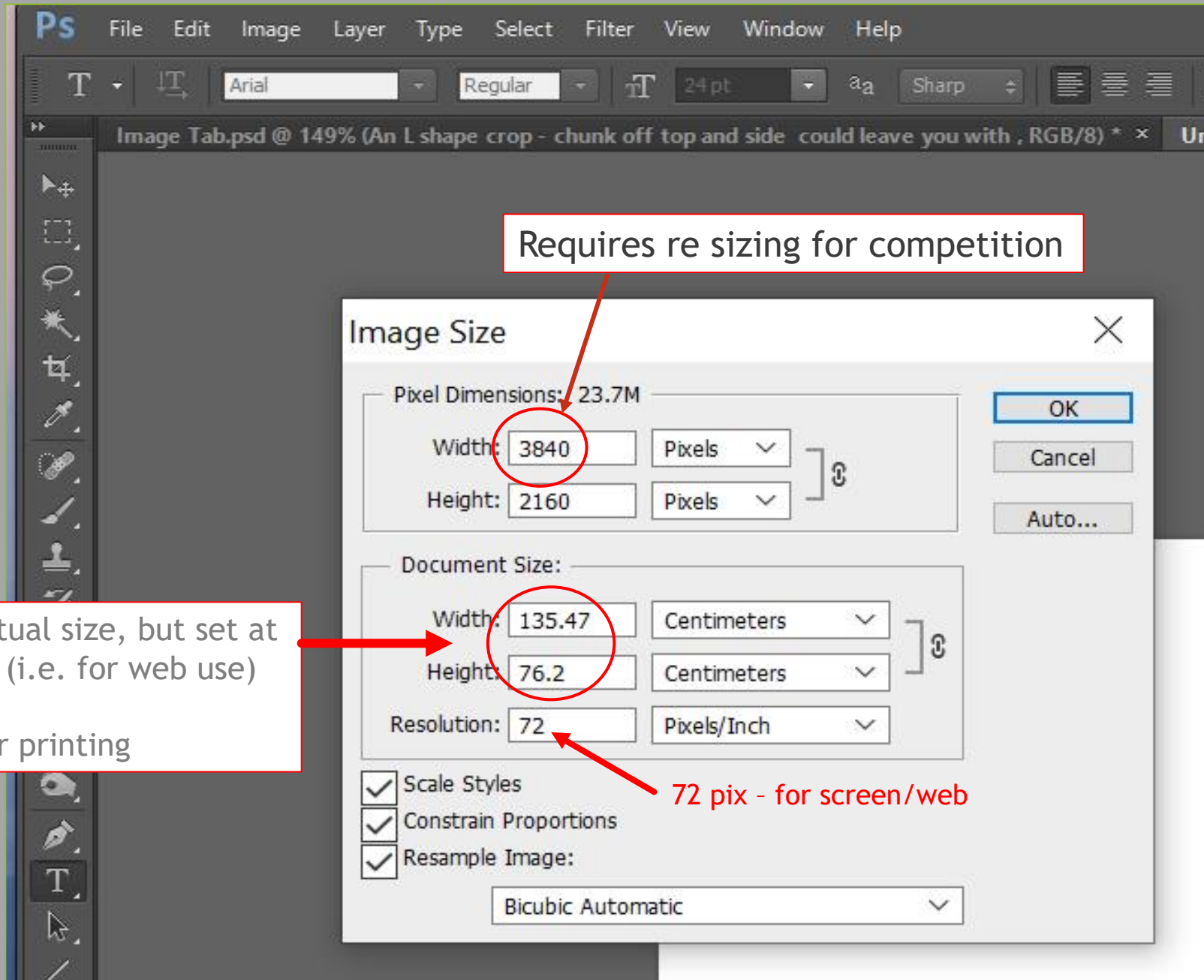
The file size for this image (24 million pixels) is about 5.6mb

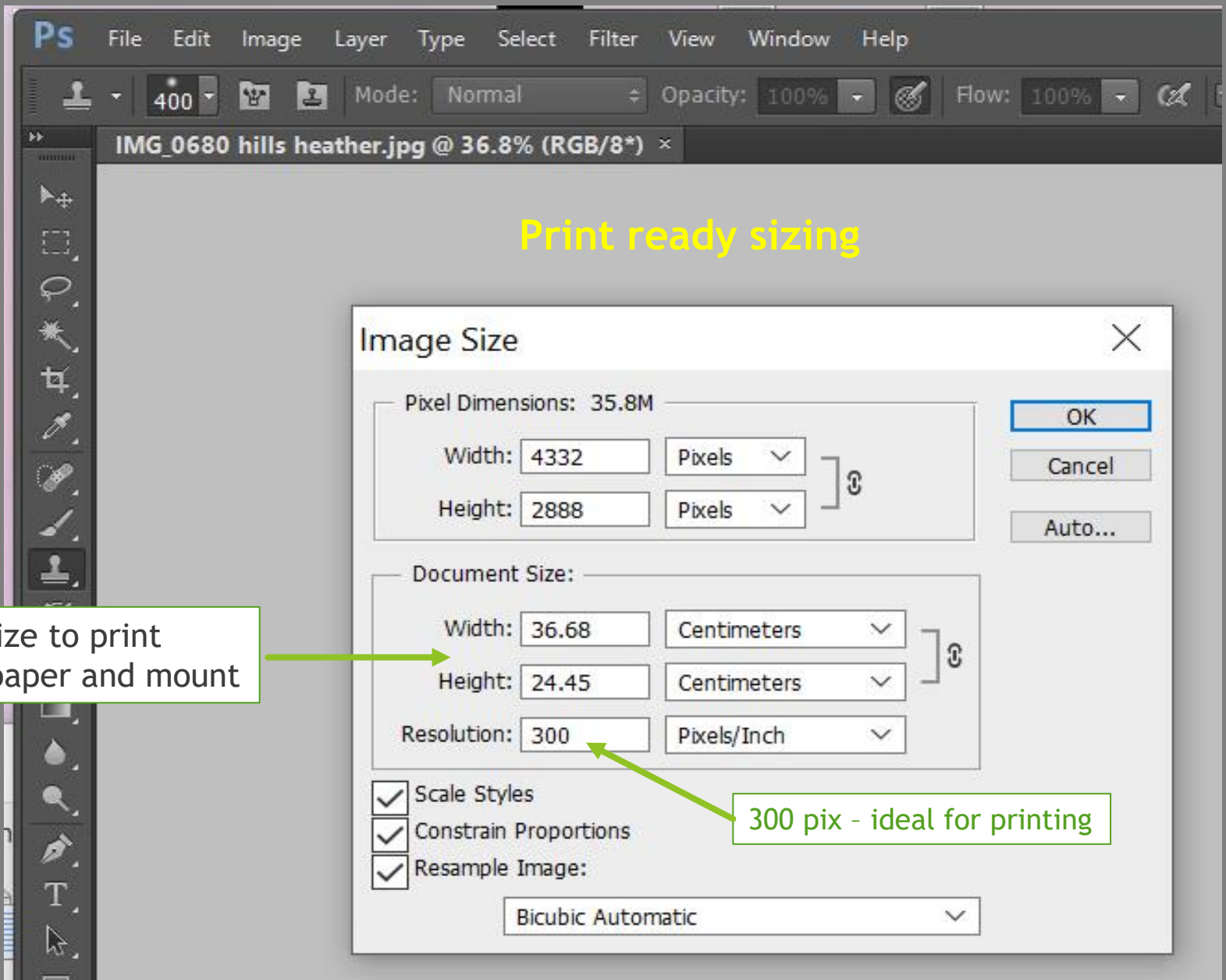
Image (document) dimensions

Resolution



However, your files may appear like this





Print ready sizing

### Image Size

Pixel Dimensions: 35.8M

Width: 4332 Pixels

Height: 2888 Pixels

Document Size:

Width: 36.68 Centimeters

Height: 24.45 Centimeters

Resolution: 300 Pixels/Inch

Scale Styles

Constrain Proportions

Resample Image:

Bicubic Automatic

OK

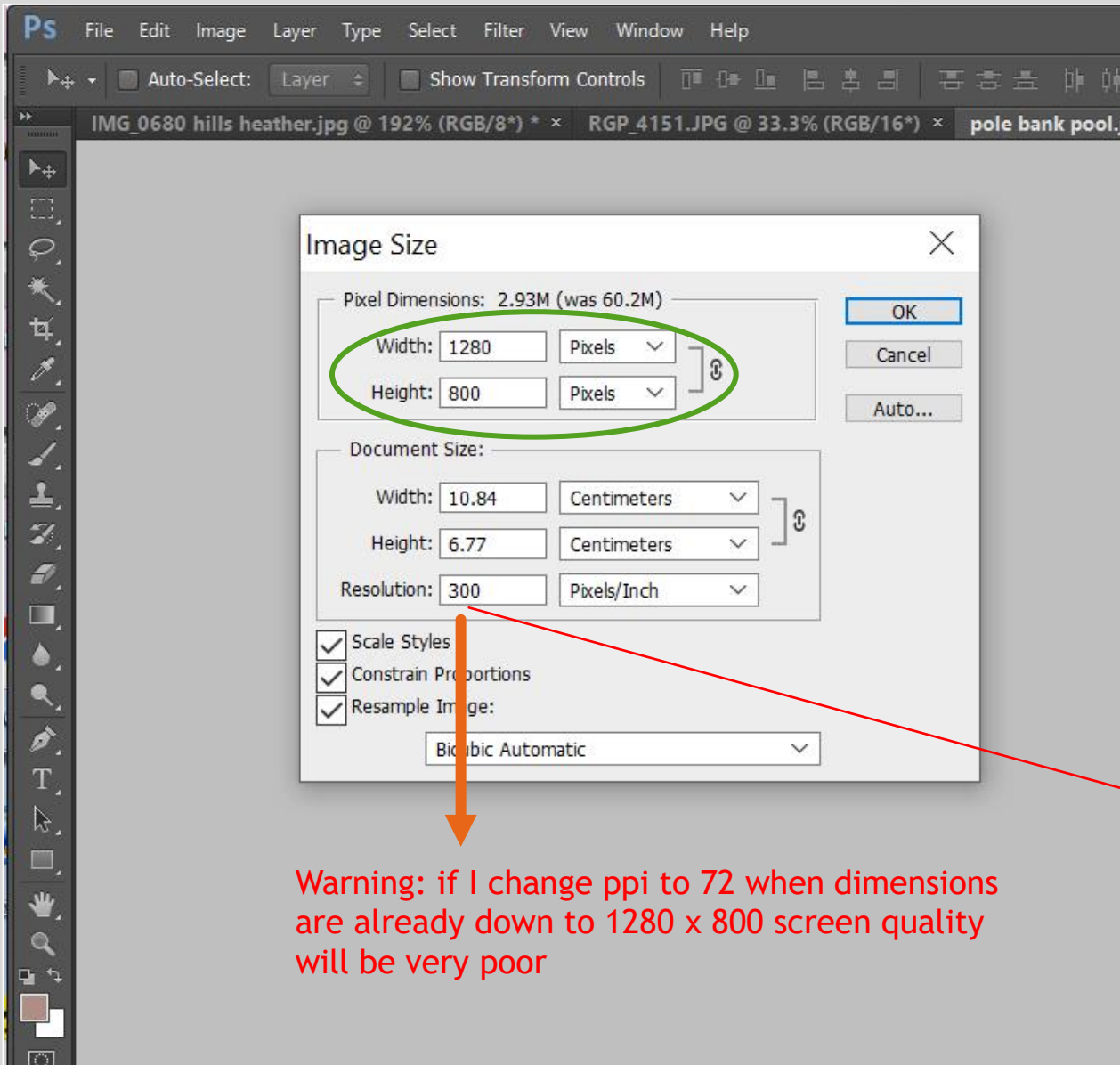
Cancel

Auto...

Good size to print on A3 paper and mount

300 pix - ideal for printing

# Sizing for Projected Image Competition



For our projector

Max width of 1280 pix

Max height of 800 pix

So, a square crop would have to be 800 x 800

i.e. 1280 x 1280 would breach the max height

Personally, I tend to just change pixels and leave resolution.

However, simply reducing pixels to 72 is an easy way to reduce file size for screen viewing.

Warning: if I change ppi to 72 when dimensions are already down to 1280 x 800 screen quality will be very poor



# Beware resizing document and pixels too far

Original

1280 x 800

1280/800 and 72ppi



## Note

PPI refers to digital sizing - whereas DPI means 'dots' per inch when printing

But - confusingly - DPI has also meant digital projected image. So we shall aim to maintain the PI notation - i.e. projected image

It is worth experimenting with the effect of resizing your images:

NEVER resize an original image to 72ppi if there is even the remotest chance you may, one day, want a print - or even submit to a publication such as The Focus, or other magazine.

Keep the full size file and your 72ppi version

end