

CompSci Formulae

These are the only formulae you need to know

Bitmap image size = width x height

Bitmap file size (bits) = $w \times h \times \text{colour depth}$

Bitmap file size (bytes) = $(w \times h \times \text{cd})/8$

Sound file size (bits) = rate x resolution x seconds

Sound file size (bytes) = $(\text{rate} \times \text{res} \times \text{secs})/8$

1 Byte = 8 bits; 1kB = 1000 Bytes - then MB, GB, TB