

YORK ST JOHN UNIVERSITY

Student Life

Library and Learning Services

Mass conversions

kg to g	Mass in g = mass in kg x 1000
g to kg	Mass in kg = $\frac{\text{mass in g}}{1000}$
g to mg	Mass in mg = mass in g x 1000
mg to g	Mass in g = $\frac{\text{mass in mg}}{1000}$
mg to	Mass in micrograms = mass in mg x 1000
micrograms	
micrograms to	Mass in mg = $\frac{\text{mass in micrograms}}{\frac{1}{2}}$
mg	1000 1000

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Length conversions

km to m	Length in m = length in km x 1000
m to km	Length in km = $\frac{\text{length in m}}{1000}$
m to cm	Length in cm = length in m x 100
cm to m	Length in m = $\frac{\text{length in cm}}{1000}$
m to mm	Length in mm = length in m x 1000
mm to m	Length in m = $\frac{\text{length in mm}}{1000}$
mm to	Length in micrometres = length in mm x 1000
micrometres	
micrometres to	Length in mm = $\frac{\text{length in micrometres}}{1}$
mm	1000 1000

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Volume conversions

cL to mL	Volume in mL = volume in cL x 10
mL to cL	Volume in cL = $\frac{\text{volume in mL}}{10}$
L to mL	Volume in mL = volume in L x 1000
mL to L	Volume in L = $\frac{\text{volume in mL}}{1000}$
mL to microlitres	Volume in microlitres = volume in mL x 1000
microlitres to mL	Volume in mL = $\frac{\text{volume in microlitres}}{1000}$

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Weight conversions

Here we say 'weight' to mean 'bodyweight', though these are all actually measures of mass.

kg to lbs	Weight in lbs = weight in kg x 0.454
lbs to kg	Weight in kg = $\frac{\text{weight in Ibs}}{0.454}$
lbs to st	Weight in st = weight in lbs x 14
st to lbs	Weight in lbs = $\frac{\text{weight in st}}{14}$
st and lbs to lbs	Weight in lbs = (weight written before st x 14) + (weight
	written in lbs)
lbs to st and lbs	To find the weight in st and lbs from a weight that is in lbs we
	need to:
	- Calculate: weight in lbs 14
	- If this value is not a whole number (ie if there is
	anything after the decimal point other than zeros)
	then we ignore the numbers after the decimal
	point. For example, if we had 10.45, we would just
	write 10. This is the number of stones.
	- Calculate: weight in lbs – (number of stones x 14)
	- This is the number of pounds.
	Write the weight as ' <i>number of stones</i> st <i>number of pounds</i> '.

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Support: Study Development offers workshops, short courses, 1 to 1 and small group tutorials.

- Join a tutorial or workshop on the <u>Study Development tutorial and workshop webpage</u> or search 'YSJ study development tutorials.'
- Access our Study Success resources on the <u>Study Success webpage</u> or search 'YSJ study success.'