

# UNITS OF MASS

(Colloquially also called 'units of weight')

## Avoirdupois - System (commercial weights in general use in the UK and US)

Unit	gr	dram	oz	lb	cwt (UK)	cwt (US)	ton (UK)	ton (US)	g	kg	t
1 gr	1	0.03657	0.00229	1/7000	-	-	-	-	0.064799	-	-
1 dram	27.344	1	0.0625	0.00391	-	-	-	-	1.77184	-	-
1 oz	437.5	16	1	0.0625	-	-	-	-	28.3495	-	-
1 lb	7000	256	16	1	0.00893	0.01	-	0.0005	453.592	0.45359	-
1 cwt (UK) <sup>1</sup>	-	-	-	112	1	1.12	0.05	-	-	50.8023	-
cwt (US) <sup>2</sup>	-	-	-	100	0.8929	1	0.04464	0.05	-	45.3592	-
1 ton (UK) <sup>3</sup>	-	-	-	2240	20	22.4	1	1.12	-	1016.05	1.01605
1 ton (US) <sup>4</sup>	-	-	-	2000	17.857	20	0.8929	1	-	907.185	0.90718
1 g	15.432	0.5644	0.03527	-	-	-	-	-	1	0.001	-
1 kg	-	-	35.274	2.2046	0.01968	0.02205	-	-	1000	1	0.001
1 t	-	-	-	2204.6	19.684	22.046	0.9842	1.1023	10 <sup>6</sup>	1000	1

UK = United Kingdom, US = USA,

gr = gram, oz = ounce, lb = pound, cwt = hundredweight

1 slug = 14.5939 kg = mass, accelerated at 1 ft/s<sup>2</sup> by a force of 1 lbf

1 st (stone) = 14 lb = 6.35 kg (UK only)

1 qr (quarter) = 28 lb = 12.7006 kg (UK only, seldom used)

1 quintal = 100 lb = 1 short cwt = 45.3592 kg

1 tdw (ton dead weight) = 1 long ton = 1.016 t

1 troy ounce = 33 g

The tonnage of dry cargo ships (cargo + ballast + fuel + supplies) is given in tdw.

1) also called "long cwt (cwt l)"

2) also called "shoprt cwt (cwt sh)"

3) also called "long ton (tn l)"

4) also called "short ton (tn sh)"