

MEDICATION MATH CHEATSHEET

Weight Equivalents			
1 gr	64.79 mg	1 mg	0.001 g
20 gr	1 scruple	1 centigram	0.15 gr
60 gr	2.19 dr	1 decigram	0.1 g
16 dr	1 oz/ 28.35 g	1 decigram	1.54 gr
1 g	15.432 gr	1 kg	1 L
1 g	1000 mg	1 kg	2.2 lb
1 g	0.0035 oz	1 kg	1000 g
1 g	1 mL	1 oz	28.35 g/ 16dr
10 g	1 dekagram	1 Tbsp	15 g
1 dekagram	0.35 oz	1 Tbsp	4 dr
100 g	1 hectogram	1 Tbsp	3 tsp
1 hectogram	3.53 oz	1 lb	16 oz
1 mg	1000 mcg	1 lb	0.45 kg

Weight Abbreviations	
dr	dram
g	gram
gr	grain
kg	kilogram
L	liter
lb	pound
mcg	microgram
mg	milligram
mL	milliliter
oz	ounce
Tbsp	tablespoon
tsp	teaspoon

Weight Formulas	
kg=	lb x 0.45
lb=	kg x 2.2

Fluid Equations	
Fluid (Flow) rate= volume (mL) / time (hr or sec)	
Minutes = hours / 60	Seconds = minutes / 60
Drops per minute = min rate x drip set factor	
IV fluid replacement for peds	
100 mL=1 10 kg	
50 mL= 2 ^d 10 kg	
20 mL= additional kgs after 20 kg	

Fluid Abbreviations	
cL	centiliter
dL	deciliter
daL	dekaliter
fl oz	Fluid ounce
fl dr	Fluid dram
hL	hectoliter
kL	kiloliter
pt	pint
qt	quart
gal	gallon
Tbsp	tablespoon
tsp	teaspoon
gtt	drop

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Fluid Equivalents			
15 gtt	1 mL	1 glass	8 oz
1 mL	0.001 L	1 teacup	6 oz
1000 mL	1 L	1 gtt	1 minim
1 cL	0.01 L	1 gtt	0.06 mL
1 dL	100 mL	1 fl dr	3.96 mL
1 daL	10 L	1 fl dr	60 minims
1 hectoliter	100 L	1 fl oz	8 fl dr
1 kiloliter	1000 L	1 fl oz	6 tsp
1 cup	8 oz	1 fl oz	2 Tbsp
1 cup	236.5 mL	1 fl oz	30 mL
1 pt	16 oz	1 dr	27.34 gr
1 pt	473 mL	1 oz	16 dr
1 pt	2 cups	1 oz	2 Tbsp
1 pt	16 fl oz	1 oz	6 tsp
1 qt	32 oz	1 tsp	60 gtt
1 qt	2 pints	1 tsp	1.33 fl dr
1 qt	0.946 L	1 tsp	5 mL
1 qt	4 cups	1 Tbsp	3 tsp
4 qt	1 gal	1 Tbsp	4 fl dr
4 qt	16 cups	1 Tbsp	0.5 oz
1 gal	3785 mL	1 Tbsp	15 mL
1 gal	3.785 L	1 mL	0.27 fl dr
1 gal	4 qt	1 mL	16.23 minim
1 glass	8 oz		