

## CONVERSION TABLES

The following conversion tables are presented for those who need a quick and simple means of converting weight and volumes.

### WEIGHT

1 pound	= 16 ounces	1 kilogram	= 2.205 pounds
	= 7000 grains		
	= 453.6 grams	1 gram	= 15.43 grains
	= 0.4536 kilograms		= 0.035 ounces
1 ounce	= 437.5 grains		
	= 28.35 grams		
1 grain	= 0.0648 gram		

### LIQUID

1 gallon	= 4 quarts	1 dram	= 0.125 ounce
	= 128 ounces		= 3.697 cc.
	= 1024 drams		
	= 3785 cc.	1 liter	= 1000 cc. (milliliters)
	= 3.785 liters		= 33.81 ounces
			= 1.057 quarts
			= 0.2642 gallon
1 quart	= 32 ounces		
	= 946.3 cc.		
	= 0.9463 liter	1 cc.	= 0.001 liter
			= 0.03381 ounce
1 ounce	= 29.57 cc.		

### FRACTIONAL

1 pound	= 16 ounces	= 7000 grains	= 453.6 grams	= 0.4536 kilograms
1/2 pound	= 8 ounces	= 3500 grains	= 226.8 grams	
1/4 pound	= 4 ounces	= 1750 grains	= 113.4 grams	
1/16 pound	= 1 ounce	= 437.5 grains	= 28.35 grams	
1 gallon	= 4 quarts	= 8 pints	= 128 ounces	= 3785 cc. = 3.785 liters
1/4 gallon	= 1 quart	= 2 pints	= 32 ounces	= 946.3 cc. = 0.9463 liter
1/8 gallon	= 1/2 quart	= 1 pint	= 16 ounces	= 473.2 cc. = 0.4732 liter
1/128 gallon	= 1/32 quart	= 1/16 pint	= 1 ounce	= 29.57 cc. = 0.0296 liter

## ANSCO PHOTOGRAPHIC FORMULAS

### DEVELOPING FORMULAS

#### ANSCO 17 • FINE-GRAIN BORAX TANK DEVELOPER

This is a fine-grain developer recommended for all Ansco roll, pack and 35 mm films. It can also be used for obtaining soft gradation with Ansco portrait and press films. It is recommended for motion picture negative development. This soft-working, fine-grain developer may be obtained in packaged form by ordering Ansco 17 developer.

	Metric	Avoirdupois	
Hot Water (125 F or 52 C)	750 cc.	24 ounces	3 quarts
Metol	1.5 grams	22 grains	88 grains
Sodium Sulfit, anhydrous	80 grams	2 1/2 oz. 80 gr.	10 3/4 ounces
Hydroquinone	3 grams	44 grains	1/4 oz. 65 gr.
Borax	3 grams	44 grains	1/4 oz. 65 gr.
Potassium Bromide	.5 gram	7.5 grains	30 grains
Water to make	1 liter	32 ounces	1 gallon

Do not dilute for use.

Tank developing time at 68 F (20 C), 10 to 15 minutes for fine-grain films, 12 to 20 minutes for portrait and press films.

Tray developing time at 68 F (20 C), 8 to 12 minutes depending on film type and density desired.

#### ANSCO 17A REPLENISHER

Add 3/4 ounce of replenisher to Ansco 17 for each roll of 120 film or 36-exposure 35 mm film (or equivalent) developed. Maintain original volume of developer, discarding if necessary some used developer. No increase in original developing time is necessary when replenisher is used in this manner until the developer is exhausted. Available in packaged form by ordering Ansco 17A Replenisher.

	Metric	Avoirdupois	
Hot Water (125 F or 52 C)	750 cc.	24 ounces	3 quarts
Metol	2.2 grams	32 grains	1/4 oz. 20 gr.
Sodium Sulfit, anhydrous	80 grams	2 1/2 oz. 80 gr.	10 3/4 ounces
Hydroquinone	4.5 grams	66 grains	1/2 oz. 45 gr.
Borax	18 grams	1/2 oz. 44 gr.	2 1/4 oz. 65 gr.
Water to make	1 liter	32 ounces	1 gallon