ROUNDING RULE

1. If the first digit to be dropped is less than 5, the last digit retained shall be left unchanged.

Example: 23.064 = 23.06 11.891 = 11.89

2. If the digit to be dropped is more than 5 or is a 5 followed by a digit greater than 0, the last digit retained shall be increased by 1.

Example: 35.1256 = 35.13 15.126 = 15.13

3. it the first digit to be dropped is a 5 alone or a 5 followed immediately by 0 and the last digit retained is odd (1, 3, 5, 7, or 9), increase it by 1.

Example: 18.1350 = 18.14 86.695 = 86.70

4. If the first digit to be dropped is a 5 alone or a 5 followed immediately by 0 and the last digit to be retained is even (0, 2, 4, 6, or 8), it shall be left unchanged.

Example: 70.125 = 70.12 35.7650 = 35.76

Note: All examples are rounded to the second digit to the right of the decimal.

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VETERINARY FOOD INSPECTION SPECIALIST AID

***GTA 08-08-002** 28 March 1984
Headquarters, Department of the Army
*Supersedes GTA 8-8-1, 29 July 1983

WEIGHTS AND MEASURES TO CONVERT

From	To	Multiply by
Length		
Inches (in)	Centimeters	2.54
Inches (in)	Meters	0.0254
Feet (ft)	Centimeters	30.48
Feet (ft)	Meters	0.3048
Centimeters (cm)	Inches	0.3937
Centimeters (cm)	Feet	0.0328
Meters (m)	Inches	39.37
Meters (m)	Feet	3.2808
Weight		
Ounces (oz)	Grams	28.3495
Pounds (lb)	Grams	453.5924
Pounds (lb)	Kilograms	0.4536
Grams (gm)	Ounces	0.035
Grams (gm)	Pounds	0.0022
Kilograms (kg)	Pounds	2.2046
Capacity (Volume)		
Gallons (gal)	Liters	3.7854
Quarts (qt)	Liters	0.9464
Pints (pt)	Liters	0.4732
Ounces (oz)	Liters	0.0296
Liters (l)	Gallons	0.2642
Liters (l)	Quarts	1.0567
Liters (l)	Pints	2.1134
Liters (l)	Ounces	33.814

FRACTION-DECIMAL-PERCENT EQUIVALENTS

Fraction	Decimal	Percent
1/16	=0.062	= 6.2%
2/16 (1/8)	=0.125	= 12.5%
3/16	=0.188	=18.8%
4/16 (1/4)	=0.250	= 25.0%
5/16	=0.312	=31.2%
6/16 (3/8)	=0.375	=37.5%
7/16	=0.438	=43.8%
8/16 (1/2)	=0.500	=50.0%
9/16	=0.562	=56.2%
10/16 (5/8)	=0.625	=62.5%
11/16	=0.688	=68.8%
12/16 (3/4)	=0.750	= 75.0%
13/16	=0.812	=81.2%
14/16 (7/8)	=0.875	=87.5%
15/16	=0.938	=93.8%
16/16 (1)	=1.0	= 100.0%

DECIMAL: To convert a fraction to a decimal, divide the numerator by the denominator.

Example: 13/24 = 24 √13.000 = 0.542 (rounded)

PERCENT: To convert a fraction to a percentage, first convert to a decimal. Then multiply that answer by 100.

Example: 7/18 = 18 √7.000 = 0.389 X 100 = 38.9% (rounded)

VACUUM GAGE READING COMPENSATION

Add 1 inch of mercury to the reading for each 1000 feet of altitude above sea level. If the gage reading is 4 inches of vacuum and you are at an altitude of 2000 feet. add 2 for a corrected reading of 6 inches of vacuum.

CAN IDENTIFICATION

Con Size	Trade Name
211 X 109	1/4 lb. tuna
211 X 400	No. 1 Picnic
300 X 407	No. 300
300 X 406	No. 303
307 X 409	No. 2
401 X 411	No. 2 1/2
603 X 700	No. 10

Round cans have two measurements - diameter and height, with diameter measured at the extremes of the double seam. Measurements ore to nearest 1/16 inch and are written as 3 or 4 digit numbers. The first one or two digits give the number of whole inches. the last two digits are the number of fractional 16ths.

A can 2 11/16 inches in diameter and 3 4/16 inches tail would be designated 211 X 304.

U. S, Government Printing Office 1996 408-175/39133

COMPARISON OF FAHRENHEIT AND CELSIUS TEMPERATURE

°F=(°C X 1.8) + 32 °C= $\frac{°F-32}{1.8}$

Example 10° C

°F=(10 X 1.8)=18+32=50

Example 50° F

°C = (50-32) ÷ 1.8=18 ÷ 1.8 = 10

F	C	F	C
-20	-28.89	90	32.22
-15	-26.11	100	37.78
-10	-23.33	110	43.33
-5	-20.56	120	48.89
0	-17.78	130	54.44
5	-15.00	140	60.00
10	-12.22	150	65.56
15	- 9.44	155	68.33
20	- 6.67	160	71.11
25	- 3.89	165	73.89
30	- 1.11	170	76.67
32	0.00	175	79.44
35	1.67	180	82.22
40	4.44	185	85.00
45	7.22	190	87.78
50	10.00	195	90.56
55	12.78	200	93.33
60	15.56	205	96.11
70	21.11	210	98.89
80	26.67	212	100.00