ROUNDING RULE

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

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

Examples: 23.064 = 23.06 11.891 = 11.89

2. If the first 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.

Examples: 35.1251 = 35.13 15.126 = 15.13

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

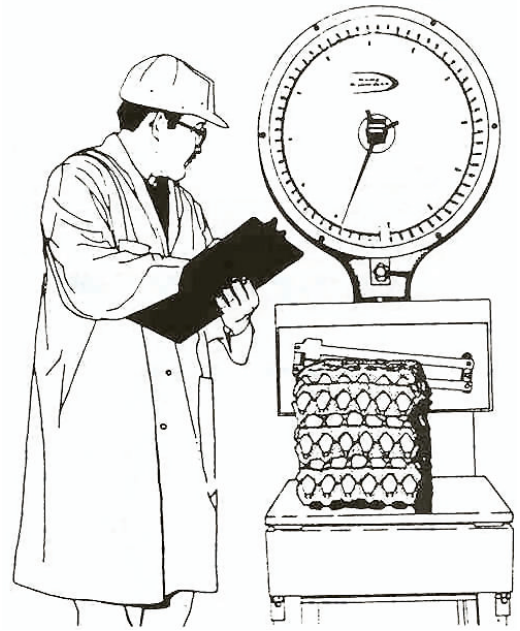
Examples: 70.125 = 70.12 35.7650 = 36.76

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

Examples: 18.135 = 18.14 86.6950 = 86.70

DISTRIBUTION: US Army Training And Audiovisual Support Centers (TASC)

VETERINARY FOOD INSPECTION SPECIALIST AID



***GTA 08-08-002 28 March 2012**
Headquarters, Department of the Army
***Supersedes GTA 8-8-2, 28 March 1984**

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 (Avoirdupois)		
Ounces (oz)	Grams	28.3495
Pounds (lb)	Grams	453.5924
Pounds (lb)	Kilograms	0.4536
Grams (gm)	Ounces	0.0353
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
Fluid Ounces (oz)	Liters	0.0296
Liters (L)	Gallons	0.2642
Liters (L)	Quarts	1.0567
Liters (L)	Pints	2.1134
Liters (L)	Fluid ounces	33.814

FRACTION-DECIMAL-PERCENT EQUIVALENTS

Fraction	Decimal	*Percent (%)
1/16	0.0625	6.2%
2/16 (1/8)	0.1250	12.5%
3/16	0.1875	18.8%
4/16 (1/4)	0.2500	25.0%
5/16	0.3125	31.2%
6/16 (3/8)	0.3750	37.5%
7/16	0.4375	43.8%
8/16 (1/2)	0.5000	50.0%
9/16	0.5625	56.2%
10/16 (5/8)	0.6250	62.5%
11/16	0.6875	68.8%
12/16 (3/4)	0.7500	75.0%
13/16	0.8125	81.2%
14/16 (7/8)	0.8750	87.5%
15/16	0.9375	93.8%
16/16 (1)	1.0000	100.0%

*Rounded to the nearest tenth of a percent (0.1%)

To convert a fraction to a decimal, divide the numerator (top number) by the denominator (bottom number).

Example: 13/24 = 24$\overline{)13.000}$ = 0.542 (rounded)

To convert a fraction to a percent, convert the fraction to a decimal and multiply the decimal by 100.

Example: 7/18 = 18$\overline{)7.000}$ = 0.389 (rounded)

0.389 x100 = 38.9%

VACUUM GAGE READING COMPENSATION

Add 1 inch of mercury to the reading for each 1,000 feet of altitude above sea level. If the gauge reading is 4 inches of vacuum and you are at an altitude of 2000 feet, add 2 to the reading for a corrected reading of 6 inches (4+2) of vacuum.

CAN IDENTIFICATION

Can 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. The diameter is measured at the extremes of the double seam. Measurements are to the 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 while the last two digits are the number of fractional 16ths (the numerator of the fraction).

A can that is 2 11/16 inches in diameter and 3 4/16 tall would be designated as 211 X 304.

FAHRENHEIT AND CELSIUS TEMPERATURES

Celsius to Fahrenheit: $°F = (°C \times 1.8) + 32°$

Example: Change 10°C to Fahrenheit

°F = (10°C X 1.8) + 32° = 18° + 32° = 50°F

Fahrenheit to Celsius: $°C = \frac{°F - 32°}{1.8}$

Example: Change 50°F to Celsius

°C = (50° - 32°) ÷ 1.8 = 18° ÷ 1.8 = 10°C

°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