

Units A-E

Acceleration Conversion Test			Density Conversion Test		
From:	meters/sec/sec	1	From:	pounds/gallon	
To			To		
1	meters/sec/sec	#NAME?	#NAME?	1	pounds/gallon
2	centimeters/sec/sec	#NAME?	#NAME?	2	pounds/cubic foot
3	inches/sec/sec	#NAME?	#NAME?	3	pounds/cubic inch
4	feet/sec/sec	#NAME?	#NAME?	4	ounces/cubic inch
5	kilometers/hour/sec	#NAME?	#NAME?	5	short tons/cubic yard
6	miles/hour/sec	#NAME?	#NAME?	6	grains/cubic inch
				7	grams/liter
				8	kilograms/cubic meter
Area Conversion Test				9	grains/gallon
From:	square meters	1		10	grams/cubic centimeter
To				11	grams/milliliter
1	square meters	#NAME?	#NAME?	12	kilograms/liter
2	acres	#NAME?	#NAME?		
3	ares	#NAME?	#NAME?		
4	circular mils	#NAME?	#NAME?	Energy Conversion Test	
5	hectares	#NAME?	#NAME?	From:	joules
6	square centimeters	#NAME?	#NAME?	To	
7	square chains	#NAME?	#NAME?	1	joules
8	square feet	#NAME?	#NAME?	2	Ergs
9	square inches	#NAME?	#NAME?	3	BTU
10	square miles	#NAME?	#NAME?	4	BTU(@39degF)
11	square perches	#NAME?	#NAME?	5	BTU(@60degF)
12	square poles	#NAME?	#NAME?	6	BTU(mean)
13	square rods	#NAME?	#NAME?	7	BTU(thermochemical)
14	square yards	#NAME?	#NAME?	8	calories
				9	calories(@15degC)
				10	calories(@20degC)
				11	calories(mean)
				12	calories(thermochemical)
				13	centigrade heat units
				14	electronvolts
				15	foot-pounds(force)
				16	horsepower-hours
				17	horsepower-hours(metric)
				18	kilocalories
				19	kilocalories(mean)
				20	kilocalories(thermochemical)
				21	kilowatt-hours
				22	liter-atmospheres
				23	megajoules
				24	quads

Units A-E

				25	therms(EEC)
				26	therms(US)
				27	watt-seconds
				28	watt-hour
				29	kilogram-meters

Units A-E

#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?

Units E-M

Enthalpy Conversion Test				Mass C
From:	BTU/pound	1		From:
To				To
1	kilojoules/kilogram	#NAME?	#NAME?	1
2	BTU/pound	#NAME?	#NAME?	2
3	calories/gram	#NAME?	#NAME?	3
4	kilocalories/kilogram	#NAME?	#NAME?	4
				5
				6
				7
Entropy Conversion Test				8
From:	BTU/pound-degF	1		9
To				10
1	kilojoules/kilogram-K	#NAME?	#NAME?	11
2	BTU/pound-degF	#NAME?	#NAME?	12
3	calories/gram-degC	#NAME?	#NAME?	13
4	kilocalories/kilogram-degC	#NAME?	#NAME?	14
5	joules/gram-K	#NAME?	#NAME?	15
				16
Length Conversion Test				17
From:	meters	1		18
To				19
1	meters	#NAME?	#NAME?	20
2	angstroms	#NAME?	#NAME?	
3	centimeters	#NAME?	#NAME?	Mass F
4	millimeters	#NAME?	#NAME?	From:
5	chains(engineer's)	#NAME?	#NAME?	To
6	chains	#NAME?	#NAME?	1
7	fathoms	#NAME?	#NAME?	2
8	feet	#NAME?	#NAME?	3
9	furlongs	#NAME?	#NAME?	4
10	inches	#NAME?	#NAME?	5
11	links(engineer's)	#NAME?	#NAME?	6
12	links	#NAME?	#NAME?	7
13	miles	#NAME?	#NAME?	8
14	nautical miles	#NAME?	#NAME?	9
15	mils	#NAME?	#NAME?	10
16	rods	#NAME?	#NAME?	11
17	yards	#NAME?	#NAME?	12
				13
				14
				15
				16

Units E-M

				17
				18
				19
				20
				21
				22
				23

Conversion Test		
kilograms	1	
kilograms	#NAME?	#NAME?
grams	#NAME?	#NAME?
carats	#NAME?	#NAME?
milligrams	#NAME?	#NAME?
metric tons	#NAME?	#NAME?
drams	#NAME?	#NAME?
ounces	#NAME?	#NAME?
pounds	#NAME?	#NAME?
short tons	#NAME?	#NAME?
long tons	#NAME?	#NAME?
grains	#NAME?	#NAME?
long hundredweights	#NAME?	#NAME?
short hundredweights	#NAME?	#NAME?
pennyweights	#NAME?	#NAME?
troy ounces	#NAME?	#NAME?
troy pounds	#NAME?	#NAME?
apothecary drams	#NAME?	#NAME?
apothecary ounces	#NAME?	#NAME?
apothecary pounds	#NAME?	#NAME?
apothecary scruples	#NAME?	#NAME?
Flow Conversion Test		
kilograms/sec	1	
kilograms/sec	#NAME?	#NAME?
kilograms/min	#NAME?	#NAME?
kilograms/hour	#NAME?	#NAME?
kilograms/day	#NAME?	#NAME?
grams/sec	#NAME?	#NAME?
grams/min	#NAME?	#NAME?
grams/hour	#NAME?	#NAME?
metric tons/sec	#NAME?	#NAME?
metric tons/min	#NAME?	#NAME?
metric tons/hour	#NAME?	#NAME?
metric tons/day	#NAME?	#NAME?
pounds/sec	#NAME?	#NAME?
pounds/min	#NAME?	#NAME?
pounds/hour	#NAME?	#NAME?
pounds/day	#NAME?	#NAME?
short tons/sec	#NAME?	#NAME?

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short tons/min	#NAME?	#NAME?
short tons/hour	#NAME?	#NAME?
short tons/day	#NAME?	#NAME?
long tons/sec	#NAME?	#NAME?
long tons/min	#NAME?	#NAME?
long tons/hour	#NAME?	#NAME?
long tons/day	#NAME?	#NAME?

Units P-T

Power Conversion Test				Tempe
From:	kilowatts	1		From:
To				To
1	kilowatts	#NAME?	#NAME?	1
2	BTU/min	#NAME?	#NAME?	2
3	BTU/hour	#NAME?	#NAME?	3
4	foot-pounds/min	#NAME?	#NAME?	4
5	foot-pounds/sec	#NAME?	#NAME?	
6	horsepower	#NAME?	#NAME?	Therma
7	metric horsepower	#NAME?	#NAME?	From:
8	boiler horsepower	#NAME?	#NAME?	To
9	kilocalories/min	#NAME?	#NAME?	1
10	kilocalories/sec	#NAME?	#NAME?	2
11	meter-kilograms(f)/sec	#NAME?	#NAME?	3
				4
Pressure Conversion Test				5
From:	pounds/square inch	1		6
To				
1	pounds/square inch	#NAME?	#NAME?	
2	pounds/square foot	#NAME?	#NAME?	
3	atmospheres	#NAME?	#NAME?	
4	millibars	#NAME?	#NAME?	
5	bars	#NAME?	#NAME?	
6	inches of water	#NAME?	#NAME?	
7	feet of water	#NAME?	#NAME?	
8	inches of mercury	#NAME?	#NAME?	
9	kips/square inch	#NAME?	#NAME?	
10	dynes/square cm	#NAME?	#NAME?	
11	grams(f)/square cm	#NAME?	#NAME?	
12	kilograms(f)/square cm	#NAME?	#NAME?	
13	kilograms(f)/square meter	#NAME?	#NAME?	
14	kiloPascals	#NAME?	#NAME?	
15	Pascals	#NAME?	#NAME?	
16	torrs	#NAME?	#NAME?	
17	millimeters of mercury	#NAME?	#NAME?	
18	centimeters of mercury	#NAME?	#NAME?	
19	millimeters of water	#NAME?	#NAME?	
20	centimeters of water	#NAME?	#NAME?	
21	megaPascals	#NAME?	#NAME?	

Units V

Velocity Conversion Test				Volume
From:	miles/hour		1	From:
To				To
1	miles/hour	#NAME?	#NAME?	1
2	knots	#NAME?	#NAME?	2
3	miles/min	#NAME?	#NAME?	3
4	feet/hour	#NAME?	#NAME?	4
5	feet/min	#NAME?	#NAME?	5
6	feet/sec	#NAME?	#NAME?	6
7	inches/sec	#NAME?	#NAME?	7
8	centimeters/sec	#NAME?	#NAME?	8
9	kilometers/hour	#NAME?	#NAME?	9
10	meters/hour	#NAME?	#NAME?	10
11	meters/min	#NAME?	#NAME?	11
12	meters/sec	#NAME?	#NAME?	12
				13
Viscosity Conversion Test				14
From:	centipoises		1	15
To				16
1	centipoises	#NAME?	#NAME?	17
2	poise	#NAME?	#NAME?	18
3	grams/centimeter-sec	#NAME?	#NAME?	19
4	pounds/foot-sec	#NAME?	#NAME?	20
5	pounds/foot-hour	#NAME?	#NAME?	21
6	pounds(force)-sec/square foot	#NAME?	#NAME?	22
7	kilograms/meter-hour	#NAME?	#NAME?	
8	Newton-sec/square meter	#NAME?	#NAME?	Volume
9	Pascal-sec	#NAME?	#NAME?	From:
				To
				1
				2
				3
				4
				5
				6
				7
				8
				9
				10
				11
				12
				13

Units V

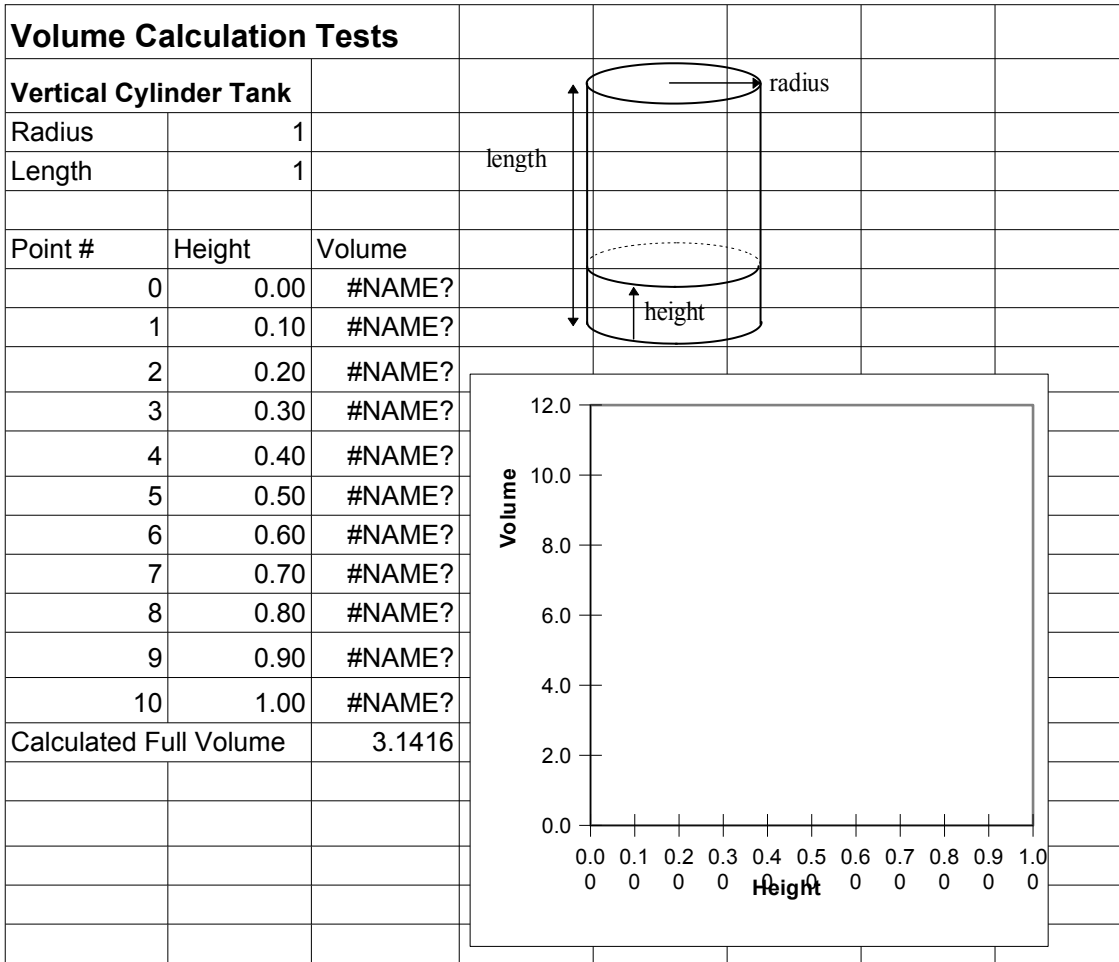
				14
				15
				16
				17
				18
				19
				20
				21
				22
				23
				24
				25
				26
				27
				28

Units V

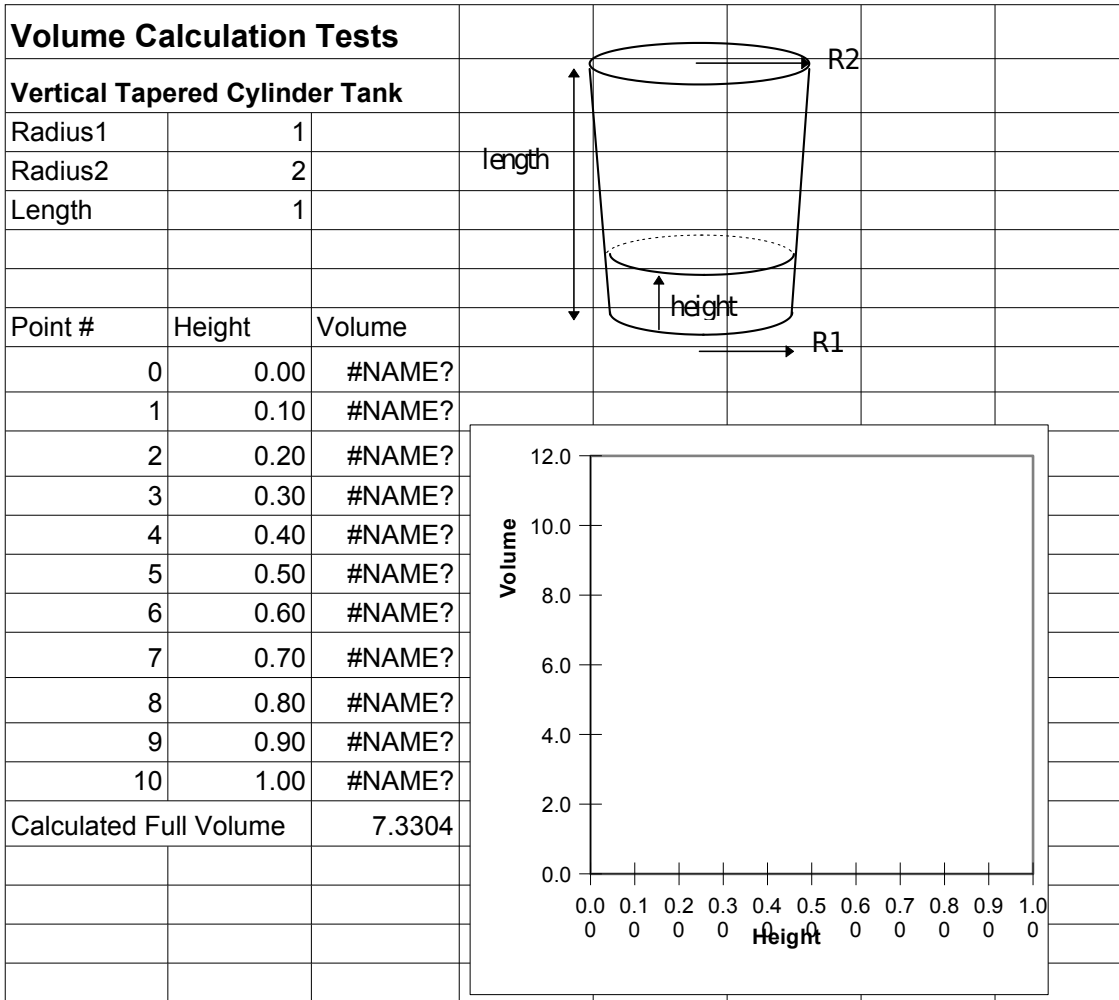
Volume Conversion Test			
gallons	1		
gallons	#NAME?	#NAME?	
cubic feet	#NAME?	#NAME?	
cubic inches	#NAME?	#NAME?	
cubic yards	#NAME?	#NAME?	
cubic meters	#NAME?	#NAME?	
dekaliters	#NAME?	#NAME?	
fluid drams	#NAME?	#NAME?	
dry gallons	#NAME?	#NAME?	
Imperial gallons	#NAME?	#NAME?	
gills	#NAME?	#NAME?	
hectoliters	#NAME?	#NAME?	
liters	#NAME?	#NAME?	
cubic centimeters	#NAME?	#NAME?	
milliliters	#NAME?	#NAME?	
minims	#NAME?	#NAME?	
fluid ounces	#NAME?	#NAME?	
pints	#NAME?	#NAME?	
quarts	#NAME?	#NAME?	
acre-feet	#NAME?	#NAME?	
barrels (beer)	#NAME?	#NAME?	0.032258
barrels	#NAME?	#NAME?	0.02381
bushels	#NAME?	#NAME?	
Flow Conversion Test			
gallons/min	1		
gallons/hour	#NAME?	#NAME?	
gallons/min	#NAME?	#NAME?	
gallons/sec	#NAME?	#NAME?	
million gallons/day	#NAME?	#NAME?	
acre-feet/hour	#NAME?	#NAME?	
barrels/day	#NAME?	#NAME?	
barrels/hour	#NAME?	#NAME?	
barrels/min	#NAME?	#NAME?	
barrels(beer)/day	#NAME?	#NAME?	
barrels(beer)/hour	#NAME?	#NAME?	
barrels(beer)/min	#NAME?	#NAME?	
cubic feet/day	#NAME?	#NAME?	
cubic feet/hour	#NAME?	#NAME?	

Units V

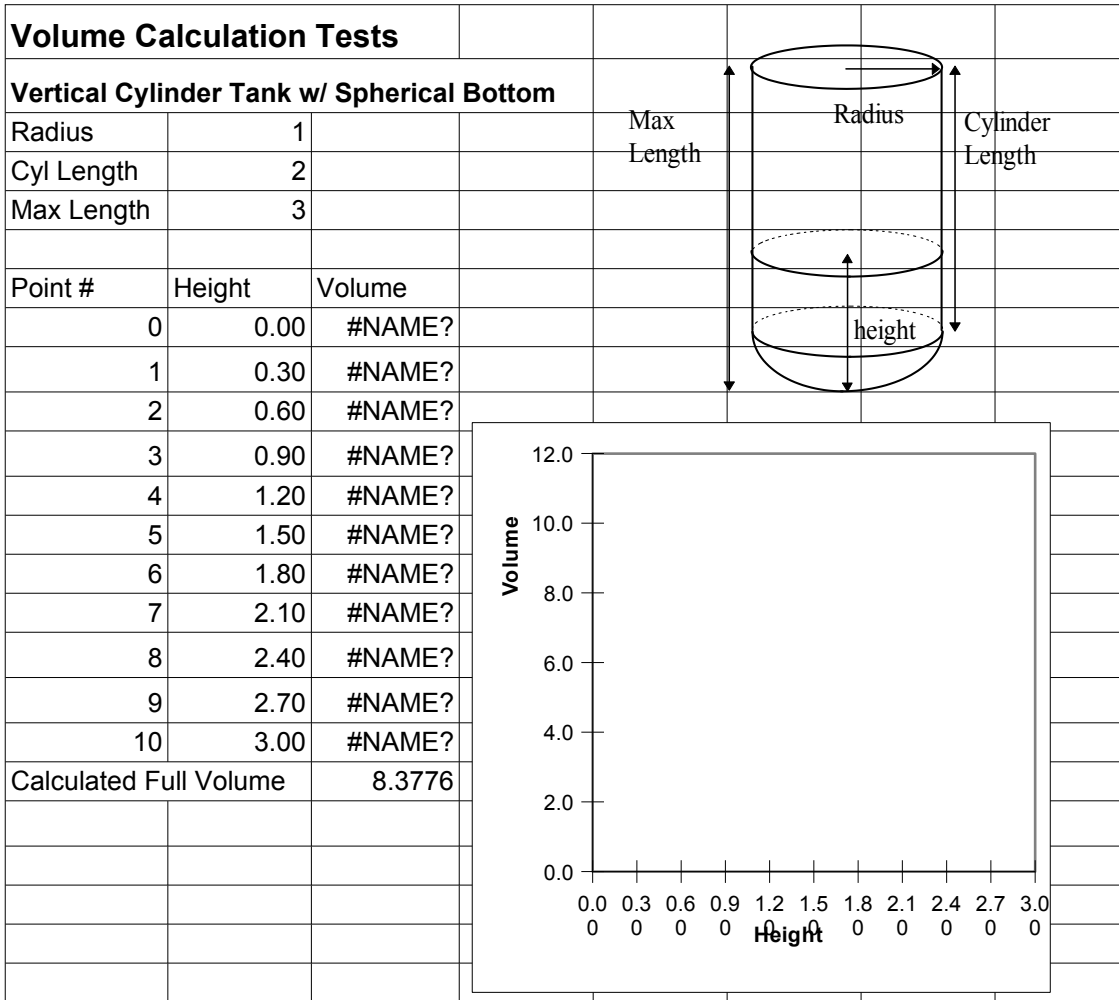
cubic feet/min	#NAME?	#NAME?	
cubic feet/sec	#NAME?	#NAME?	
cubic meters/day	#NAME?	#NAME?	
cubic meters/hour	#NAME?	#NAME?	
cubic meters/min	#NAME?	#NAME?	
cubic meters/sec	#NAME?	#NAME?	
hectoliters/hour	#NAME?	#NAME?	
hectoliters/min	#NAME?	#NAME?	
hectoliters/sec	#NAME?	#NAME?	
liters/hour	#NAME?	#NAME?	
liters/min	#NAME?	#NAME?	
liters/sec	#NAME?	#NAME?	
Imperial gallons/hour	#NAME?	#NAME?	
Imperial gallons/min	#NAME?	#NAME?	
Imperial gallons/sec	#NAME?	#NAME?	



TaperedCyl



VertCylCap



HorzCyl

Volume Calculation Tests		
Horizontal Cylinder Tank		
Radius	2	
Length	1	
Point #	Height	Volume
0	0.00	#NAME?
1	0.40	#NAME?
2	0.80	#NAME?
3	1.20	#NAME?
4	1.60	#NAME?
5	2.00	#NAME?
6	2.40	#NAME?
7	2.80	#NAME?
8	3.20	#NAME?
9	3.60	#NAME?
10	4.00	#NAME?
Calculated Full Volume		12.5664

The diagram shows a horizontal cylinder. A vertical line from the center to the top edge is labeled 'Radius'. A horizontal line from the left end to the right end is labeled 'Length'. A vertical line from the bottom edge to the center line is labeled 'height'. The cylinder is drawn in perspective, with a dashed line for the hidden back edge.

The graph plots Volume on the y-axis (ranging from 0.0 to 12.0) against Height on the x-axis (ranging from 0.0 to 4.0). The x-axis has major ticks every 0.4 units, and the y-axis has major ticks every 2.0 units. The data points from the table are plotted, showing a curve that starts at (0,0) and increases as height increases, reaching a maximum volume of 12.5664 at a height of 4.0.

