Recipes for Home Repair by Alvin Ubell & Sam Bittman	www.AccurateBuilding.com Copyright © 2004-2005 Date Published: 1974, 1976 A Division of Ubell Enterprises, Inc.
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nulas for Home Repair circle, multiply diameter by 3.1416. nultiply circumference by .31831. tiply square of diameter by 3.1416. multiplied by breadth. Doubling the diameter a four times. nultiply base by 1/2 perpendicular height. both diameters x .7854. se x altitude. square, multiply diameter by 0.7071 or 0.2251 or divide circumference by 4.4428. dius of sphere x 1.1547. hare, multiply diameter by .8862. y 1.4142 equals diameter of its circum- blied by 4.443 equals circumference of its multiplied by 1.128 equals diameter of an ed by 3.547 equals circumference of an II, multiply cube of diameter by .5236. cone, multiply area of base by 1/3 the or pyramid - sum of circumference of both a rea of both ends. e or pyramid = multiply area of two ends e 2 areas and x 1/3 altitude. pipe increases its capacity four times. dard) weighs 8 1/3lbs. and contains 231 f water contains 7 1/2 gallons, 1728 cubic a. To find the pressure in pounds per square nultiply the height of the column in feet by	 Steam rising from water at its boiling point (212 degrees F) has a pressure equal to the atmosphere (14.7 pounds to the square inch). A horse power is equivalent to raising 33,000 lbs. one foot per minute or 550 lbs. one foot per second. A standard horse power: the evaporation of 30 pounds of water per hour from a feed water temperature of 100 degree F into steam at 70 pounds gauge pressure. To find capacity of tanks any size, given dimensions of a cylinder in inches, to find its capacity in U.S. gallons: square the diameter, multiply by the length and by .0034. To ascertain heating surface in tubular boilers, multiply 2/3 the circumference of boiler by length of boiler in inches and add to it the area of all the tubes. Temperature Conversion X Centigrade + 32 degrees = Fahrenheit. Fahrenheit of 32 degrees x .5566 = Centigrade. Flooring and Siding In estimating matched flooring, a square foot of 7/8" inch stuff is considered to be 1-foot board measure. If the flooring is 3" inches or more in width, add 1/4i to assumed board measure to allow for the forming of tongue and groove; for less than 3" inches in width, add 1/3". A square foot of 11 1/8 inch finished flooring is considered to be 11 1/4 feet board measure. To calculate the board measure of same, figure as if 1" inch thick and add 60 percent to cover extra thickness and waste in tonguing, grooving, etc. Siding is measures 5 5/8 inches. Brickwork Brickwork is estimated by the thousand, and of various thicknesses of wall, runs as follows: 8" 1/4 inch wall, or 1 brick in thickness, 21 bricks per superficial foot 12" i/2 inch wall, or 2 1/2 brick in thickness, 25 bricks per superficial foot 17" inch wall, or 2 1/2 brick in thickness, 35 bricks per superficial foot 17" inch wall, or 2 1/2 brick in thickness, 35 bricks per superficial foot 17" inch wall, or 2 1/2 brick in thickness, 35 bricks per superficial foot 17" inch wal
	27.343 grains = 1 drachm. The average weight is 4 1/2 pounds.
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