SQUARE MEASURES OR MEASURES OF SURFACE

British Units

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144 Sq. Inches
                               1 sq. Foot
9 Sq. Feet
                               1 sq. Yard
304 Sq. Yards
                               1 Sq. rod, Pole or perch = 272 sq. ft.
40 sq Yards
                               1 \text{ rood} = 1210 \text{ sq. Yds.}
                               1 Sq. Chain
484 Sq. Yards
                               4840 Sq. Yards = 160 Sq. rods = 10 sq. chains
4 Roods
                               1 acre = 43.560 sq. ft.
                       =
640 acres
                               1 sq. mile
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An acre is the area of a square whose side is 208.70 ft. Longs.

Metric Units

Sq. Metre = Centare or centiare; hectoare = sq. hectometer

Are = Sq. dekametre.

The sq. metre is the primary unit of ordinary surface or small areas. The are or Sq. Dekametre, hectare or sq. hectometer are the units of land measures.

Conversion factor

1 sq. inch = 6.45 sq. centimeters

= 645.2 sq. millimeter

1 sq. foot = 929.0 sq. centimeter

= 0.093 sq . meters 1 sq . yard

1 Sq. Yard = 0.836 sq. metres or

= 0.836 Contares

1 Acre = 4046.86 Sq. metres or

= 40.47 ares or

= 0.4047 hectare

1 Sq. mile = 2.590 sq. kilometers

= 259 hectares

= 640 acres

1 Sq. Millimetre = 0.00155 Sq. Ins.

1 sq. centimeter = 0.155 Sq. ins.

1 sq. decimeter = 15.50 sq. ins.

1 sq. metre = 10.76 Sq. ft.

1 Centare = 1.196 Sq. yds.

1 Sq. dekametre = 119.6 Sq. Yds

1 Sq. Hectometer = 11,959.85 Sq. Yds

1 hectare = 2,471 acres

1 sq. kilometer = 247.10 acres

= 0.3861 sq. miles

CUBIC MEASURES

British units

1728 cu. Ins. = 1 cu. Ft. 1000 cu. Mm. = 1 cu.cm.

27 cu. Ft. = 1 cu. Yd. 1000 cu. Cm. = 1 cu. Cm.

1000 cu. Dm. = 1 cu. Metre

Conversion Factors

1 cu. In. = 16387 cu. mm. 1 cu. em. (em 3) = 0.061 cu. ins.

= 16.387 cu. cm. 1 cu. dm. (dm3) = 61.02 cu. ins.

1 cu. ft. = 28317 cu. cm. = 0.035 cu. ft.

= 28.317 cu. dm. 1 cu. metre (m3) = 35.315 cu. ft.

= 0.025 cu. metre = 1.308 cu. yds.

I cu. ya. = 0.764 cu metre.

cm. $4 \times 0.024 = \text{in } 4$	in4 x 41.623	= cm 4	ft 4 x $0.00863 = m4$
cm.3 x $0.061 = in.3$	in3x 16.387	= cm3	$m4 \times 115.862 = ft4$
cm. $2 \times 0.155 = \text{in.}2$	in2 x 6.45	= cm2	ft3 x $0.0283 = m3$
cm. $\times 0.3937 = in.$	in. x 2.54	= cm.	$m2 \times 35.3147 = ft.3$

VOLUME OR CAPACITY

Apothecaries Fluid Measure – For medicine

1 glassful

60 minms = 1ft. dram = 3.55 cu. centimeters or milliliters

8 ft. drams = 1 ft. ounce = 28.4 cu. centimeters or milliliters

1 teaspoonful = 1/8 ft. ounce = 1 ft. dram
1 dessertspoonful = 2 ft. drams
1 tablespoonful = ½ ft. ounce = 4 ft. drams
1 winglass = 4 tablespoonfuls = 2 ft. ounces
1 teacup = 4 ft. ounces
1 tumblerful = 8 ft. ounce

= 12 ft. ounce

1 cu. centimeter I cu. dm.

Or = 0.035 ft. oz. br. or = 1.76 pints

I milliliter = 0.034 ft. oz. US 1 Litre = 0.88 quarts Br.= 0.28 ft. drams = 0.22 galls. Br.

= 16.9 minims

The following approximate measures are usually taken:

1 minim = 0.06 cu. Cm. I teaspoonful = 4 cu.cm.

 $1 \frac{1}{2}$ minim = 0.1 cu. Cm. 1 teablespoonful

15 minim = 1.0 cu. Cm. Or = 15 cu. Cm.

½ Ft. ounce

Weight of 1 pint of water = 1 ½ Lb. or 20 Ozs. Avp

Weight of 1 ft. oz. of water = 1 oz. avp

Weight of 1 ft. dram of water = 54.69 grains

Weight of 1 cu. In. = 252.5 grains

Weight of 1 cu. Cm. of water = 15.43 grains

Weight of 1 gall. Imp. Of water = 10 lbs. avp.

Weight of 1 galls Us of water = 8.33 lbs. avp.