Measurement Systems and Conversions

LENGTH

English

= 66 feet (ft)1 chain (ch) = 220 yards (yd)10 chains

= 1,760 yards = 80 chains1 mile (mi)

Metric

1 nanometer (nm) = 1,000 picometers 1 micrometer (μ m) = 1,000 nanometers

1 millimeter (mm) = 1,000 micrometers (=1/100,000 of a meter)

1 centimeter (cm) = 10 millimeters

= 100 centimeters = 1,000 mm1 meter (m)

1 kilometer (km) = 1,000 meters

Conversions

1 inch (in) = 2.54 centimeters (exactly)

1 centimeter = 0.3937 inches

1 foot = 30.48 centimeters (exactly)

1 meter = 3.28 feet
1 yard = 0.9144 meters (exactly)
1 meter = 1.0936 yards or 39.37 inc
1 chain = 20.1168 meters (exactly)
1 meter = 0.0497 chains
1 mile = 1.609 kilometers = 1.0936 yards or 39.37 inches

1 kilometer = 0.621 miles

AREA

English

1 square chain = 484 square yards

1 acre (ac) = 10 square chains = 43,560 square feet

1 square mile = 640 acres

Metric

1 hectare (ha) = 10,000 square meters

1 square kilometer = 100 hectares

Conversions

1 square meter = 10.76 square feet 1 square yard = 0.835 meters

1 square chain = 404.6856 square meters 1 acre = 0.404686 hectares 1 hectare = 2.471 acres

1 square mile = 2.5899 square kilometers 1 square kilometer = 0.386 square miles