MEASURING WHEEL INSTRUCTIONS MANUAL

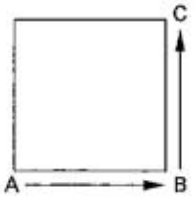
Distance Measuring

To measure the distance between two points accurately, set the wheel on the beginning point, push the reset button and walk to the end point. With the handle in the same position as it was when measurement started, read the distance directly from the counter.

Square/Rectangle Surface

To find the area multiply the length times the width.

Figure 1

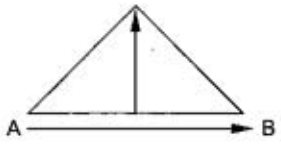


Step 1 Measure distance from point A to point B (length)
Step 2 Measure distance from point B to point C (width)
Step 3 To find area multiply the distance in step 1 by the distance in step 2.

Triangle Field

The formula for finding the area of a triangle is Length × Height ÷ 2.

Figure 2



Step 1 Measure the distance from A to B (length)
Step 2 Measure the distance from the base of the triangle to its highest point (height)
Step 3 To find area multiply the distance in step 1 by the distance in step 2.
Step 4 Divide area found in step 3 by 2.

Irregularly Shaped Fields

An irregularly shaped field can be divided into a series of squares, rectangles or triangles. The area can be calculated for each segment. Add area for all segments to determine total area.

Calculating Acres

An acre is 43,560 square feet. Using the measurements from figure 1, length times width = total square feet. Divide total square feet by 43,560 to find acres.

By using the formula L × W ÷ 43,560, acres in any square or rectangular field can be calculated.

Chain Method of Measuring Acres

The Meter-Man model 79C Measuring Wheel measures in chains and hundredths of a chain. To determine the area simply multiply the length times the width and move the decimal point one place to the left. No division is necessary.

Contour Strip Fields

A contour with parallel sides can be treated as a rectangle. It is most accurate if the linear dimension is taken by walking down the middle of the strip. If the contour strip is uneven in width, treat the area as a rectangle and a triangle.

Measuring Hectares

Divide total area by 10,000 to determine hectares. Move decimal point four places to the left.