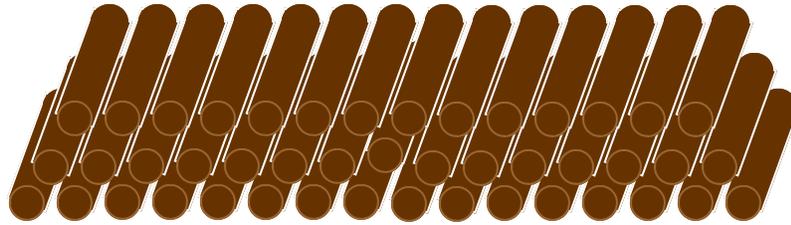
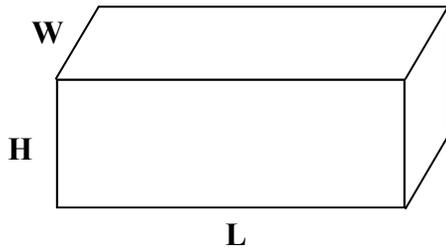


# Calculating a Cord Measure of Firewood



## CUBOID

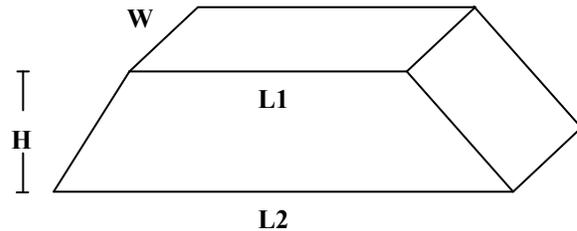
$$V = L \times W \times H$$



- V = Volume of pile
- L = Length of pile
- W = Width of pile (stick lengths)
- H = Height of pile

## TRAPEZOIDAL PRISM

$$V = (L1 + L2) \times 0.5 \times W \times H$$

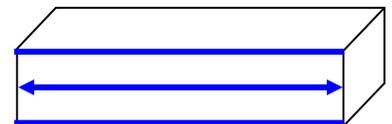


- V = Volume of pile
- L1 = Narrow Length of pile
- L2 = Wide Length of pile
- W = Width of pile (stick lengths)
- H = Height of pile

**TAKE ALL MEASUREMENTS IN INCHES** (Round measurements to 1/2 inch)

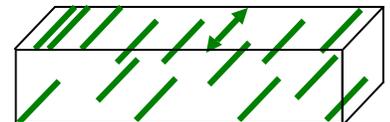
Calculate **L**:

1. Measure bottom length, middle length, top length of pile.
2. Average these lengths to get your "L".



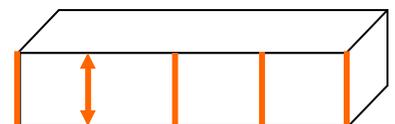
Calculate **W**:

1. Measure a minimum of 15 to 30 random stick lengths per pile.
2. Average these stick lengths to get your "W".



Calculate **H**:

1. Flatten out the top of the pile (roughly).
2. Measure the height of each end and at approximately two foot intervals.
3. Average these heights to get your "H".



Calculate **V**:

1.  $L \times W \times H = \text{Volume (in}^3\text{)}$
2. Convert **V** from  $\text{in}^3$  to  $\text{ft}^3$  by dividing by 1728
3. Convert **V** from  $\text{ft}^3$  to cords by dividing by 128