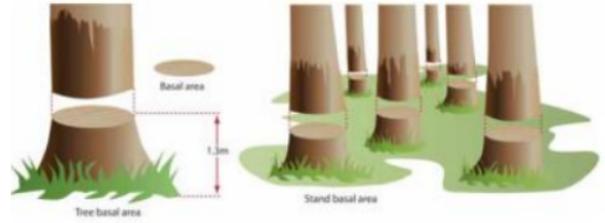


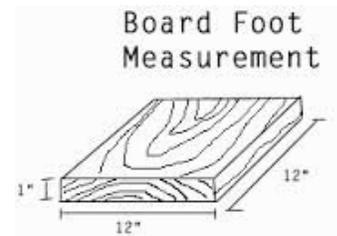
BioBox Unit 9 Math Vocabulary Dictionary

Basal Area



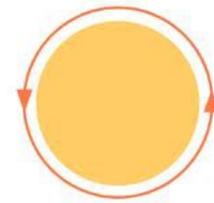
Total amount of area contained in the cross sections of the tree trunks in a stand.

Board Foot



Equal to a piece of wood one foot long, one foot wide, and one inch thick.

Circumference



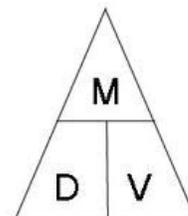
Distance around the trunk.

Clinometer



Tool used to easily find the height of a tree when standing on ground level with its base.

Density



Unit of mass per unit of volume.

BioBox Unit 9 Math Vocabulary Dictionary

Diameter



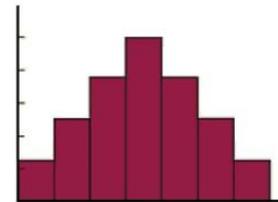
Length of a line passing from one edge of the trunk to the other through its center.

Frequency Table

Data	Tally	Frequency
1		6
2		5
3		4
4		3
5		1
6		10

A table for organizing a set of data that shows the number of times each item or number appears.

Histogram



Symmetric Histogram

A graph of vertical bars representing the frequency distribution of a set of data.

Hypothesis



An educated testable guess.

Mean

Find the mean of 8, 2, 7 and 3

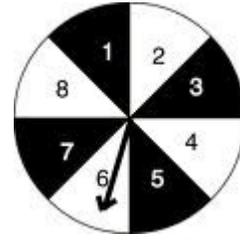
$$8 + 2 + 7 + 3 = 20$$

$$20 \div 4 = 5$$

Average value of all measurements; found by adding all numbers and dividing the sum by the number of numbers.

BioBox Unit 9 Math Vocabulary Dictionary

Probability



Likelihood that something will occur (equal to number of desired outcomes divided by the number of possible outcomes).

Proportion

$$\frac{\text{part}}{\text{whole}} = \frac{\text{percent}}{100}$$

Fraction that expresses part of a quantity to the whole.

Quadrant



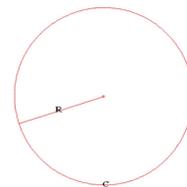
A sample plot.

Quantification

1		6	
2		7	
3		8	
4		9	
5		10	

Observations that involves numerical comparisons.

Radius



Distance from the center of the trunk to one edge (equal to half the diameter).

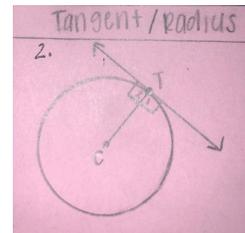
BioBox Unit 9 Math Vocabulary Dictionary

Stand Density



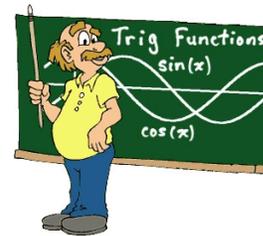
Number of trees per unit area. It is important because trees that grow closely packed tend to grow more slowly, because of more intense competition for light.

Tangent of a Right Triangle



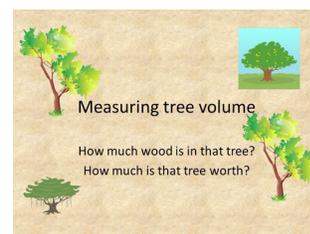
Value resulting from the division of the length of the side of the right triangle opposite the angle is divided by the length of the side of the triangle adjacent to the angle.

Trigonometry



Branch of mathematics dealing with the relationships among the sides and angles of triangles.

Volume



Total amount of wood present in a stand.