

Unit: Forestry

Name _____

Lesson 5: Measuring Trees and Logs

Date _____

Evaluation

Directions: Answer the following questions in the spaces provided. If calculations are involved, show your work.

1. Which would be cheaper per cord? _____
 - a. A stack of wood 12' x 4' x 10' for \$187
 - b. A stack of wood 8' x 4' x 4' for \$60
2. How many board feet are there in a cut log with an average diameter of 10 inches and a length of 16 feet? _____
3. Breast height is equal to _____ feet above the ground.
4. How many board feet are in a standing tree with a d.b.h. of 20 inches and a merchantable height of 2 logs? _____
5. Normally, stump height of a tree is _____ inches.
6. To measure merchantable height, the cruising stick is held _____ inches from the eye.

Directions: Circle the letter of the correct answer.

7. When measuring height of standing timber, the figure read from the cruising stick is
 - a. the number of 16-foot logs
 - b. measured to the nearest even number
 - c. the estimate of the tree's diameter at breast height
8. Merchantable height is
 - a. usable height
 - b. measured to the point beyond where salable logs cannot be cut
 - c. is estimated using a cruising stick
 - d. all of the above