

Name:

Class:

Date:

Activity 16.1B: Calculating Board Feet

Materials Needed

- Calculator

Instructions

Use the following calculations to determine the board feet (measurement of the volume of wood) of the boards listed in the worksheet. Convert the fractions to decimals before performing your calculations.

Width in inches \times length in feet \times thickness in inches / 12

or

Width in inches \times length in inches \times thickness in inches / 144

1. Board #1

Thickness: 1-1/2 inches Length: 8 feet Width: 3-1/2 inches

Board Feet

Answer:

2. Board #2

Thickness: 3-1/2 inches Length: 8 feet Width: 3-1/2 inches

Board Feet

Answer:

3. Board #3

Thickness: 1-1/2 inches Length: 16 feet Width: 5-1/2 inches

Board Feet

Answer:

4. Board #4

Thickness: 1 inches Length: 4 feet Width: 8 inches

Board Feet

Answer:

5. Board #5

Thickness: 1-1/2 inches Length: 84 inches Width: 3-1/2 inches

Board Feet:

Answer:

6. Board #6

Thickness: 2 inches Length: 24 inches Width: 4 inches

Board Feet:

Answer:

7. Board #7

Thickness: 3-1/2 inches Length: 18 inches Width: 3-1/2 inches

Board Feet:

Answer:

8. Board #8

Thickness: 1 inches Length: 12 inches Width: 1 inches

Board Feet:

Answer:

9. Board #9

Thickness: 1 inches Length: 12 feet Width: 1 inches

Board Feet:

Answer:

10. Board #10

Thickness: 1-1/2 inches Length: 192 inches Width: 3-1/2 inches

Board Feet

Answer:

11. Why is the ability to calculate board feet important to someone working in the forestry industry?

Answer: