

Board Feet Worksheet 1

20pts

Find the board feet for the following pieces of lumber.

Formula in inches: $Length'' \times Width'' \times Thickness'' \div 144$

Watch Symbols change everything to Inches
answers should be carried out 4 decimal places.

1. How many board feet in piece of Oak that is 1" thick 6" wide and (8') long? _____
2. How many board feet in a piece of Oak that is 1" thick 8" wide and (12') long? _____
3. How many board feet in piece of Oak that is 1" thick (1') wide and (8') long? _____
4. How many board feet in piece of Oak that is 1" thick 4" wide and 72" long? _____
5. How many board feet in piece of Alder that is 1" thick 3" wide and (14') long? _____
6. How many board feet in piece of Cherry that is 1" thick 4.5" wide and 72" long? _____
7. How many board feet in piece of Oak that is 1" thick 1/2" wide and (12') long? _____
8. How many board feet in piece of Hickory that is 1" thick 12" wide and (5') long? _____
9. How many board feet in piece of Alder that is 1" thick (1.5') wide and 30" long? _____
10. How many board feet in piece of Oak that is 1" thick 18" wide and 12" long? _____

Now calculate how much each from the above problem will cost board will cost.

Formula: $Cost \times Board\ Feet$

Wood Prices:

Oak \$3.25 per BF

Alder \$1.75 per BF

Hickory \$4.25 per BF

Cherry \$6.55 per BF

Carry answers out 2 decimal places.

11. How much would the board from question 1 cost..... \$ _____
12. How much would the board from question 2 cost..... \$ _____
13. How much would the board from question 3 cost..... \$ _____
14. How much would the board from question 4 cost..... \$ _____
15. How much would the board from question 5 cost..... \$ _____
16. How much would the board from question 6 cost..... \$ _____
17. How much would the board from question 7 cost..... \$ _____
18. How much would the board from question 8 cost..... \$ _____
19. How much would the board from question 9 cost..... \$ _____
20. How much would the board from question 10 cost..... \$ _____