

Name: _____

Date: _____

Hour: _____

Conversion Worksheet I

1. Not everyone is a carpenter, but nearly everyone knows what a “two by four” is. Before the wood was planed smooth, it actually measured two inches thick and four inches wide. After the wood is planed, however, the size is closer to 1.625 inches thick and 3.625 inches wide. Change these sizes from inches to centimeters.
2. The classroom is 34 feet long and 25 feet wide. Change these measurements to inches.
3. The length of a machine exported to Germany is 122 inches. The customer asks what the length would be in meters. What is the answer?
4. The floor space available in an industrial park is 289,500 square feet. How many acres is that?
5. The fuel consumption of a car is given as 22 miles/gallon. What would that be in kilometers per liter?
6. A farmer spreads onion seed at a rate of 24 pounds/acre. How many kilograms/hectare would that be?
7. The muzzle velocity of a bullet from an M-16 rifle is listed as 3,300 feet per second. What is the velocity in miles per hour?
8. A glacier creeps down a mountain at 8.25 inches per year. What is that speed in miles per hour?
9. A faucet leaks 14 drops per minute. What is the leakage rate in gallons per year?
10. The speed limit is posted at 35 miles per hour. What is that speed in furlongs per fortnight?