Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Metric Conversion Worksheet**

Change the measurement in the blank to the unit in brackets. Show your work and box the answer. Pay attention to significant figures. You must use the conversion units below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 12 inch = 1 ft. |  | 1 yard = 3 feet | 1 mile = 5280 feet | 1 inch = 2.54 centimeter |
| 1 gallon = 4 quarts |  | 1 quart = 2 pints | 1 liter = 1.06 quarts | 1 pound = 16 ounces |
| 1 pound = 454 grams |  | 100 centigrams = 1 gram | 1 kilogram = 1000 grams | 1 kilometer = 1000 meters |
| 1 minute = 60 seconds |  | 60 minutes = 1 hour | 100 centimeters = 1 meter | 1000 milligrams = 1 gram |
|  |  |
|  |

1. First down and *10.0 yards* to go. [meter]
2. *5ft 2in* , eyes of blue. [meter]
3. Give him *an inch (1.0in)* [centimeter] and he’ll take *a mile (1.0mi)*. [meter]
4. I’ll have a *quarter-pounder (0.25lb)*. [gram]
5. *10.00 gallon* hat. [liter]
6. A journey of *1000 miles* begins with one step. [meter]
7. *8.0 second* ride. [hour]