

Conversion Factors

Metric to English

To Obtain	Multiply	By
Inches	Centimeters	0.3937007874
Feet	Meters	3.280839895
Yards	Meters	1.093613298
Miles	Kilometers	0.6213711922
Square Inches	Square Centimeters	0.1550003100
Square Feet	Square Meters	10.76391042
Square Yards	Square Meters	1.195990046
Cubic Inches	Milliliters	0.06102374409
Cubic Feet	Cubic Meters	35.31466672
Cubic Yards	Cubic Meters	1.307950619
Fluid Ounces	Milliliters	0.03381402270
Teaspoons	Milliliters	0.202884136
Tablespoons	Milliliters	0.0676280454
Cups	Liters	4.22675284
Quarts	Liters	1.05668821
Gallons	Liters	0.2641720524
Ounces	Grams	0.03527396195
Pounds	Kilograms	2.204622622
Miles per Hour	Kilometers per Hour	0.621371192

English to Metric

To Obtain	Multiply	By
Centimeters	Inches	2.54
Meters	Feet	0.3048
Meters	Yards	0.9144
Kilometers	Miles	1.609344
Square Centimeters	Square Inches	6.4516
Square Meters	Square Feet	0.09290304
Square Meters	Square Yards	0.83612736
Milliliters	Cubic Inches	16.387064
Cubic Meters	Cubic Feet	0.02831684659
Cubic Meters	Cubic Yards	0.764554858
Milliliters	Fluid Ounces	29.57352956
Milliliters	Teaspoons	4.92892159
Milliliters	Tablespoons	14.7867648
Liters	Cups	0.236588236
Liters	Quarts	0.946352946
Liters	Gallons	3.785411784
Grams	Ounces	28.34952313
Kilograms	Pounds	0.45359237
Kilometers per Hour	Miles per Hour	1.609344001

Note: Boldface numbers are exact, others are given to ten significant figures.



Name : _____

Score : _____

Teacher : _____

Date : _____

Converting English and Metric

- 1) _____ cubic yards = 8 cubic meters
- 2) _____ cubic yards = 13.5 cubic meters
- 3) 11.5 cubic feet = _____ cubic meters
- 4) 7 cubic inches = _____ milliliters
- 5) _____ yards = 1.5 meters
- 6) 14 square inches = _____ square centimeters
- 7) _____ inches = 19 centimeters
- 8) 21.5 miles = _____ kilometers
- 9) 16 inches = _____ centimeters
- 10) 1 square yards = _____ square meters
- 11) 4 yards = _____ meters
- 12) 18.5 feet = _____ meters
- 13) 14.5 miles = _____ kilometers
- 14) _____ feet = 13 meters
- 15) _____ square feet = 17.5 square meters
- 16) _____ cubic inches = 15 milliliters
- 17) _____ square inches = 8.5 square centimeters
- 18) _____ square yards = 10.5 square meters
- 19) _____ cubic feet = 3.5 cubic meters
- 20) 19.5 square feet = _____ square meters



Name : _____

Score : _____

Teacher : _____

Date : _____

Converting English and Metric

- 1) 10.46 cubic yards = 8 cubic meters
- 2) 17.66 cubic yards = 13.5 cubic meters
- 3) 11.5 cubic feet = 0.33 cubic meters
- 4) 7 cubic inches = 114.71 milliliters
- 5) 1.64 yards = 1.5 meters
- 6) 14 square inches = 90.32 square centimeters
- 7) 7.48 inches = 19 centimeters
- 8) 21.5 miles = 34.6 kilometers
- 9) 16 inches = 40.64 centimeters
- 10) 1 square yards = 0.84 square meters
- 11) 4 yards = 3.66 meters
- 12) 18.5 feet = 5.64 meters
- 13) 14.5 miles = 23.34 kilometers
- 14) 42.65 feet = 13 meters
- 15) 188.37 square feet = 17.5 square meters
- 16) 0.92 cubic inches = 15 milliliters
- 17) 1.32 square inches = 8.5 square centimeters
- 18) 12.56 square yards = 10.5 square meters
- 19) 123.6 cubic feet = 3.5 cubic meters
- 20) 19.5 square feet = 1.81 square meters

