

Length, Mass and Volume Conversions Calculations (Key)

Calculate the U.S. to Metric Measures using the formulas.

Formulas:

- cups x 0.24 = liters
- feet x 30 = centimeters
- fluid ounces x 30 = milliliters
- gallons x 3.8 = liters
- inches x 2.5 = centimeters
- miles x 1.6 = kilometers
- ounces x 28 = grams
- pints x 0.47 = liters
- pounds x 0.45 = kilograms
- quart x 0.95 = liters
- tablespoons x 15 = milliliters
- teaspoons x 5 = milliliters
- yards x 0.9 = meters

1. 12 ounces = 336 grams

11. 10 yards = 9 meters

2. 2 pints = 0.94 liters

12. 48 feet = 1,440 centimeters

3. 5 Tablespoons = 75 milliliters

13. 16 fluid ounces = 480 milliliters

4. 15 miles = 24 kilometers

14. 33 1/3 ounces = 932.4 grams

5. 4 1/4 cups = 1.02 liters

15. 36 inches = 90 centimeters

6. 4 1/4 pints = 1.9975 liters

16. 157 pounds = 70.65 kilograms

7. 8 teaspoons = 40 milliliters

17. 3 teaspoons + 7 Tablespoons =
15 + 105 = 120 milliliters

8. 6 pounds = 2.7 kilograms

18. 8 1/2 pints + 12 quarts =
3.995 + 11.4 = 15.395 liters

9. 4 quarts = 3.8 liters

19. 25 gallons + 17 1/4 cups =
95 + 4.14 = 99.14 liters

10. 12 gallons = 45.6 liters

20. 23 feet + 9 1/4 inches =
690 + 23.125 = 713.125 centimeters