

Name

Date



MATH CONVERSION CHART – LENGTHS

METRIC CONVERSIONS

| | | | | | |
|--------------|---|-----------------|------|---|--------|
| 1 centimeter | = | 10 millimeters | 1 cm | = | 10 mm |
| 1 meter | = | 100 centimeters | 1 m | = | 100 cm |
| 1 kilometer | = | 1000 meters | 1 km | = | 1000 m |

STANDARD CONVERSIONS

| | | | | | |
|--------|---|------------|------|---|---------|
| 1 foot | = | 12 inches | 1 ft | = | 12 in |
| 1 yard | = | 3 feet | 1 yd | = | 3 ft |
| 1 yard | = | 36 inches | 1 yd | = | 36 in |
| 1 mile | = | 1760 yards | 1 mi | = | 1760 yd |

METRIC -> STANDARD CONVERSIONS

| | | | | | |
|--------------|---|-----------------|------|---|--------------|
| 1 millimeter | = | 0.03937 inches | 1 mm | = | 0.03937 in |
| 1 centimeter | = | 0.39370 inches | 1 cm | = | 0.39370 in |
| 1 meter | = | 39.37008 inches | 1 m | = | 39.37008 in |
| 1 meter | = | 3.28084 feet | 1 m | = | 3.28084 ft |
| 1 meter | = | 1.09361 yards | 1 m | = | 1.09361 yd |
| 1 kilometer | = | 1093.6133 yards | 1 km | = | 1093.6133 yd |
| 1 kilometer | = | 0.62137 miles | 1 km | = | 0.62137 mi |

STANDARD -> METRIC CONVERSIONS

| | | | | | |
|--------|---|---------------------|------|---|-------------|
| 1 inch | = | 2.54 centimeters | 1 in | = | 2.54 cm |
| 1 foot | = | 30.48 centimeters | 1 ft | = | 30.48 cm |
| 1 yard | = | 91.44 centimeters | 1 yd | = | 91.44 cm |
| 1 yard | = | 0.9144 meters | 1 yd | = | 0.9144 m |
| 1 mile | = | 1609.344 meters | 1 mi | = | 1609.344 m |
| 1 mile | = | 1.609344 kilometers | 1 mi | = | 1.609344 km |



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MATH CONVERSION CHART – VOLUMES

METRIC CONVERSIONS

| | | | | | |
|--------------------|---|-----------------------------|---------|---|-----------------|
| 1 cubic centimeter | = | 1000 cubic millimeters | 1 cu cm | = | 1000 cu mm |
| 1 cubic meter | = | 1 million cubic centimeters | 1 cu m | = | 1,000,000 cu cm |

STANDARD CONVERSIONS

| | | | | | |
|--------------|---|---------------------|---------|---|--------------|
| 1 cubic foot | = | 1728 cubic inches | 1 cu ft | = | 1728 cu in |
| 1 cubic yard | = | 46,656 cubic inches | 1 cu yd | = | 46,656 cu in |
| 1 cubic yard | = | 27 cubic feet | 1 cu yd | = | 27 cu ft |

METRIC -> STANDARD CONVERSIONS

| | | | | | |
|--------------------|---|----------------------|---------|---|----------------|
| 1 cubic centimeter | = | 0.06102 cubic inches | 1 cu cm | = | 0.06102 cu in |
| 1 cubic meter | = | 35.31467 cubic feet | 1 cu m | = | 35.31467 cu ft |
| 1 cubic meter | = | 1.30795 cubic yards | 1 cu m | = | 1.30795 cu yd |

STANDARD -> METRIC CONVERSIONS

| | | | | | |
|--------------|---|----------------------------|---------|---|----------------|
| 1 cubic inch | = | 16.38706 cubic centimeters | 1 cu in | = | 16.38706 cu cm |
| 1 cubic foot | = | 0.02832 cubic meters | 1 cu ft | = | 0.02832 cu m |
| 1 cubic yard | = | 0.76455 cubic meters | 1 cu yd | = | 0.76455 cu m |



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MATH CONVERSION CHART – AREAS

| METRIC CONVERSIONS | | | | | |
|--------------------|---|-----------------------|---------|---|----------------|
| 1 sq centimeter | = | 100 sq millimeters | 1 sq cm | = | 100 sq mm |
| 1 sq meter | = | 10,000 sq centimeters | 1 sq m | = | 10,000 sq cm |
| 1 hectare | = | 10,000 sq meters | 1 ha | = | 10,000 sq m |
| 1 sq kilometer | = | 100 hectares | 1 sq km | = | 100 ha |
| 1 sq kilometer | = | 1 million sq meters | 1 sq km | = | 1,000,000 sq m |

| STANDARD CONVERSIONS | | | | | |
|----------------------|---|----------------|---------|---|--------------|
| 1 sq foot | = | 144 sq inches | 1 sq ft | = | 144 sq in |
| 1 sq yard | = | 9 sq feet | 1 sq yd | = | 9 sq ft |
| 1 acre | = | 4840 sq yards | 1 acre | = | 4840 sq yd |
| 1 acre | = | 43,560 sq feet | 1 acre | = | 43,560 sq ft |
| 1 sq mile | = | 640 acres | 1 sq mi | = | 640 acres |

| METRIC -> STANDARD CONVERSIONS | | | | | |
|--------------------------------|---|-------------------|---------|---|----------------|
| 1 sq centimeter | = | 0.15500 sq inches | 1 sq cm | = | 0.15500 sq in |
| 1 sq meter | = | 10.76391 sq feet | 1 sq m | = | 10.76391 sq ft |
| 1 sq meter | = | 1.19599 sq yards | 1 sq m | = | 1.19599 sq yd |
| 1 hectare | = | 2.47105 acres | 1 ha | = | 2.47105 acres |
| 1 sq kilometer | = | 0.386102 sq miles | 1 sq km | = | 0.386102 sq mi |

| STANDARD -> METRIC CONVERSIONS | | | | | |
|--------------------------------|---|-------------------------|---------|---|----------------|
| 1 sq inch | = | 6.4516 sq centimeters | 1 sq in | = | 6.4516 sq cm |
| 1 sq foot | = | 929.0304 sq centimeters | 1 sq ft | = | 929.0304 sq cm |
| 1 sq foot | = | 0.09290 sq meters | 1 sq ft | = | 0.09290 sq m |
| 1 sq yard | = | 0.83613 sq meters | 1 sq yd | = | 0.83613 sq m |
| 1 acre | = | 0.40469 hectares | 1 acre | = | 0.40469 ha |
| 1 sq mile | = | 258.99881 hectares | 1 sq mi | = | 258.99881 ha |
| 1 sq mile | = | 2.589988 sq kilometers | 1 sq mi | = | 2.589988 sq km |

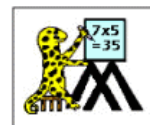


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MATH CONVERSION CHART – WEIGHT (US)

| METRIC CONVERSIONS | | | | | |
|----------------------|---|-----------------|-------------------|---|---------|
| 1 gram | = | 1000 milligrams | 1g | = | 1000 mg |
| 1 kilogram | = | 1000 grams | 1 kg | = | 1000 g |
| 1 tonne (1 megagram) | = | 1000 kilograms | 1 tonne (1 Mg) | = | 1000 kg |

| STANDARD CONVERSIONS | | | | | |
|----------------------|---|------------------|-------|---|---------|
| 1 ounce | = | 16 drams | 1 oz | = | 16 dr |
| 1 pound | = | 16 ounces | 1 lb | = | 16 oz |
| 1 hundredweight | = | 100 pounds | 1 cwt | = | 100 lb |
| 1 ton (short) | = | 20 hundredweight | 1 ton | = | 20 cwt |
| 1 ton (short) | = | 2000 pounds | 1 ton | = | 2000 lb |

| METRIC -> STANDARD CONVERSIONS | | | | | |
|--------------------------------|---|--------------------|---------|---|--------------------|
| 1 gram | = | 0.035274 ounces | 1 g | = | 0.035274 oz |
| 1 kilogram | = | 2.20462 pounds | 1 kg | = | 2.20462 lb |
| 1 kilogram | = | 35.27396 ounces | 1 kg | = | 35.27396 oz |
| 1 tonne | = | 1.10231 ton, short | 1 tonne | = | 1.10231 ton, short |

| STANDARD -> METRIC CONVERSIONS | | | | | |
|--------------------------------|---|-------------------|--------------|---|----------------|
| 1 ounce | = | 28.34952 grams | 1 oz | = | 28.34952 g |
| 1 pound | = | 453.59237 grams | 1 lb | = | 453.59237 g |
| 1 pound | = | 0.45359 kilograms | 1 lb | = | 0.45359 kg |
| 1 hundredweight | = | 50.8023 kilograms | 1 cwt | = | 50.8023 kg |
| 1 ton, short | = | 0.90718 tonnes | 1 ton, short | = | 0.90718 tonnes |



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MATH CONVERSION CHART – LIQUID VOLUME (US)

Please note that these conversions work for US liquids only!

| METRIC CONVERSIONS | | | | | |
|--------------------|---|------------------|------|---|---------|
| 1 centiliter | = | 10 milliliters | 1 cl | = | 10 ml |
| 1 liter | = | 1000 milliliters | 1 l | = | 1000 ml |

| STANDARD CONVERSIONS | | | | | |
|---|---|------------------|---------|---|-----------|
| 1 tablespoon | = | 3 teaspoons | 1 Tbsp | = | 3 tsp |
| 1 fluid ounce | = | 2 tablespoons | 1 fl oz | = | 2 Tbsp |
| 1 fluid ounce | = | 8 drams | 1 fl oz | = | 8 drams |
| 1 gill | = | 4 fluid ounces | 1 gi | = | 4 fl oz |
| 1 cup | = | 8 fluid ounces | 1 cup | = | 8 fl oz |
| 1 pint | = | 2 cups | 1 pt | = | 2 cups |
| 1 pint | = | 16 fluid ounces | 1 pt | = | 16 fl oz |
| 1 quart | = | 2 pints | 1 qt | = | 2 pt |
| 1 gallon | = | 4 quarts | 1 gal | = | 4 qt |
| 1 gallon | = | 128 fluid ounces | 1 gal | = | 128 fl oz |
| 1 gallon = 4 quarts = 8 pints = 16 cups = 128 fluid ounces | | | | | |

| METRIC -> STANDARD CONVERSIONS | | | | | |
|--------------------------------|---|------------------------|------|---|-----------------|
| 1 milliliter | = | 0.033814 fluid ounces | 1 ml | = | 0.033814 fl oz |
| 1 liter | = | 33.814022 fluid ounces | 1 l | = | 33.814022 fl oz |
| 1 liter | = | 2.113376 pints | 1 l | = | 2.113376 pints |

| STANDARD -> METRIC CONVERSIONS | | | | | |
|--------------------------------|---|-----------------------|----------|---|--------------|
| 1 fluid ounce | = | 29.57353 milliliters | 1 fl oz | = | 29.57353 ml |
| 1 pint | = | 473.17648 milliliters | 1 pt | = | 473.17648 ml |
| 1 pint | = | 0.47318 liters | 1 pt | = | 0.47318 l |
| 1 gallon, liquid | = | 3.7854 liters | 1 gallon | = | 3.7854 l |



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