

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

SHOP SET, FIELD MAINTENANCE SPARE PARTS
STORAGE, SET NO. 1 (4940-322-6016):
AND
SHOP SET, FIELD MAINTENANCE SPARE PARTS
STORAGE, SET NO. 2 (4940-322-6017):
INSTALLATION IN THREE SEMITRAILER
CARGO VANS, M128A1

Headquarters, Department of the Army, Washington, D.C.

5 January 1967

1. General. *a.* The instructions contained in this bulletin are to be used as a guide for the installation of four shop sets, field maintenance storage, Set No. 1 (4940-322-6016) and two Set No. 2 (4940-322-6017), in three semi-trailer cargo vans, M128A1.

b. These instructions can be followed as prescribed, in most instances. However, installation of equipment in vehicles of different manufacturers may require minor changes.

c. A complete list of items contained in this shop is included in SC 4940-95-CL-A09, and SC 4940-95-CL-A10.

d. Precautions should be observed when drilling holes through the body of the van to insure that waterproof characteristics are retained. All hardware extending through the floor or sides of the van should have the outer parts covered by an undercoating compound similar to that used to coat the underside of vehicles, or other suitable preservatives.

e. Items not mentioned in this bulletin that are components of this shop) may be stowed in cabinets or secured in convenient places in such a manner as to avoid damage in transit.

Caution: When mounting the equipment, do not drill holes through cross members or into the frame of the vehicle. If necessary, move the item to be mounted slightly so the drilled holes will avoid these structures.

2. Installation of Shop Equipment. *a.* Items to be mounted in the vans are listed in table I. The hardware required for installing the equipment is listed in table II. Hardware will be drawn from local stock or requisitioned from the managing activity having supply responsibility.

b. The floor plan of the van bodies with each item in its designated place is shown in figures 1 and 2.

c. The combined shop sets listed in table 1 will be loaded as follows:

(1) One semitrailer van will be loaded in accordance with figure number one. (WE30196)

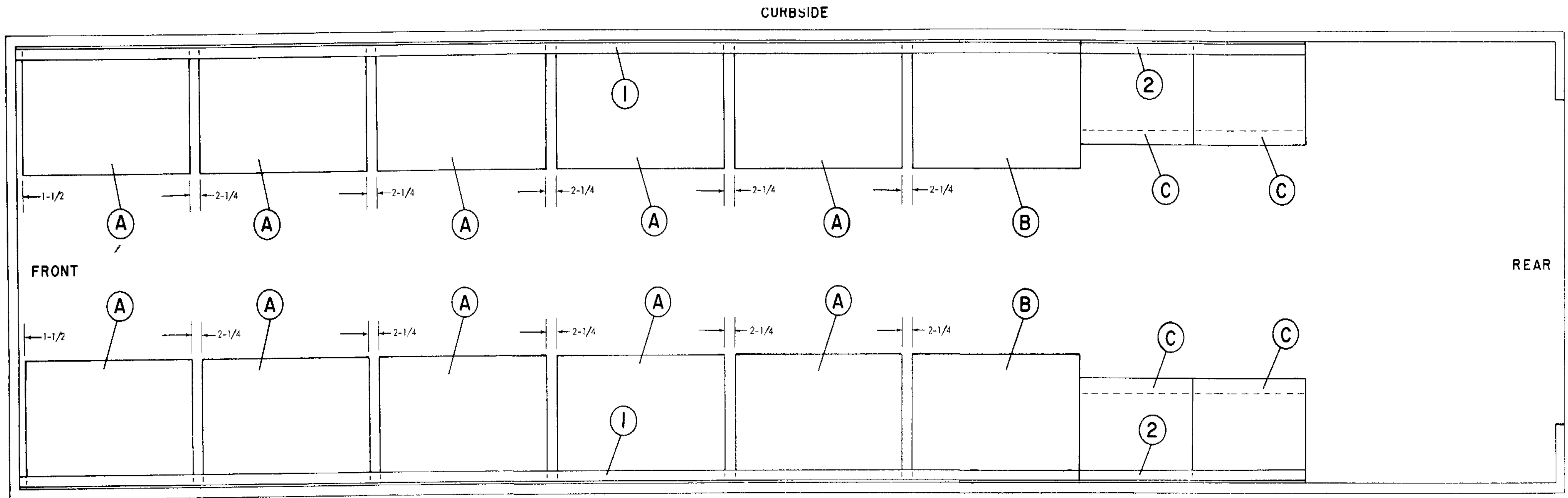
(2) Two semitrailer vans will be loaded in accordance with figure number 2. (WE30197)

Table I. Items To Be Mounted in Three Semitrailer Shop Vans, M128A1

| FSN | Description | Ident letter | Qty | Location |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------------------|
| 7125-449-6862 | CABINET, SPARE PARTS: vehicle repair parts and tools, S, expanded mtl construction, w/3 shelves, 24 in. h x 25 in. w x 16 $\frac{3}{8}$ in. deep o/a. | F | 4 | See figures No. 1 and 2. |
| 7125-559-6223 | CABINET, STORAGE: S, green enmld fin. 3 doors w/o locks, 2 nonadj shelves, knockdown construction 17 $\frac{7}{8}$ in. deep x 34 in. x 35 $\frac{1}{2}$ in. h. | E | 4 | See figures No. 1 and 2. |
| 7125-693-4352 | CABINET, TOOL AND SPARE PARTS: S body w/wdn top, 12 drawers, 1 front opng bin, 35 $\frac{1}{2}$ in. h x 25 in. w x 20 in. deep o/a. | C | 20 | See figures No. 1 and 2. |
| 7125-693-4353 | CABINET, TOOL AND SPARE PARTS: S body w/wdn top, 24 drawers, 1 front opng bin, 35 $\frac{1}{2}$ in. h x 25 in. w x 20 in. deep o/a. | D | 4 | See figures No. 1 and 2. |
| 7125-378-4261 | CABINET, TOOL AND SPARE PARTS: S, w/18 drawers and 7 open bins, 54 $\frac{1}{2}$ in. h x 36 $\frac{1}{2}$ in. w x 24 $\frac{1}{2}$ in. deep. | A | 20 | See figures No. 1 and 2. |
| 7125-335-0292 | CABINET, TOOL AND SPARE PARTS: S, w/42 drawers and 4 sliding trays, 54 $\frac{1}{2}$ in. h x 36 $\frac{1}{2}$ in. w x 24 $\frac{1}{2}$ in. deep. | B | 4 | See figures No. 1 and 2. |

Table II. Hardware Required For Shop Set Installation

| FSN | Description | Qty | Use |
|---------------|-------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------|
| ----- | ANGLE IRON: 2 x 2 x $\frac{1}{4}$ in. | Approx 141 ft. | For securing cabinets to side of van (lengths will be cut as req'd) |
| 5306-012-0229 | BOLT, MACHINE: hex-hd, $\frac{3}{16}$ -18 x $\frac{7}{8}$ in. | 56 | For securing cabinets A, B, and E to angle. |
| 5306-012-2065 | BOLT, MACHINE: hex-hd, $\frac{3}{16}$ -18 x 2 $\frac{1}{4}$ in. | 224 | For securing cabinets A, B, C, D, and E to floor of van, and cabinets F to top of cabinets C. |
| 5306-010-9108 | BOLT, SQUARE NECK: rd-hd, S, $\frac{1}{2}$ -13UNC-2A, 3 in. lg, w/sq-nuts. | 60 | For mounting angle iron to side of vans. |
| 5310-012-4824 | NUT, PLAIN, HEXAGON: $\frac{3}{16}$ -18. | 56 | For use w/5306-012-2065 machine bolt. |
| 5310-639-7046 | NUT, PLAIN, HEXAGON: $\frac{3}{16}$ -18. | 224 | For use w/5306-012-2065 machine bolt. |
| 5310-050-2246 | WASHER, FLAT: 1 $\frac{1}{32}$ in. id. | 280 | For use w/5306-012-0229 and 5306-012-2065 machine bolts. |
| 5310-209-0061 | WASHER, FLAT: $\frac{7}{16}$ in. id. $\frac{1}{8}$ in. thk, 2 in. w, 4 in. lg | 208 | For use w/5306-012-2065 machine bolt (mounted under floor of van). |
| 5310-753-8683 | WASHER, FLAT: 2 $\frac{1}{32}$ in. id. | 24 | For use w/machine bolt provided w/cabinets C and D. |
| 5310-012-0214 | WASHER LOCK: $\frac{3}{16}$ in. size | 280 | For use w/5306-012-0229 and 5306-012-2065 machine bolts. |
| 5310-010-3331 | WASHER LOCK: $\frac{3}{8}$ in. size | 24 | For use w/machine bolt provided w/cabinets C and D. |

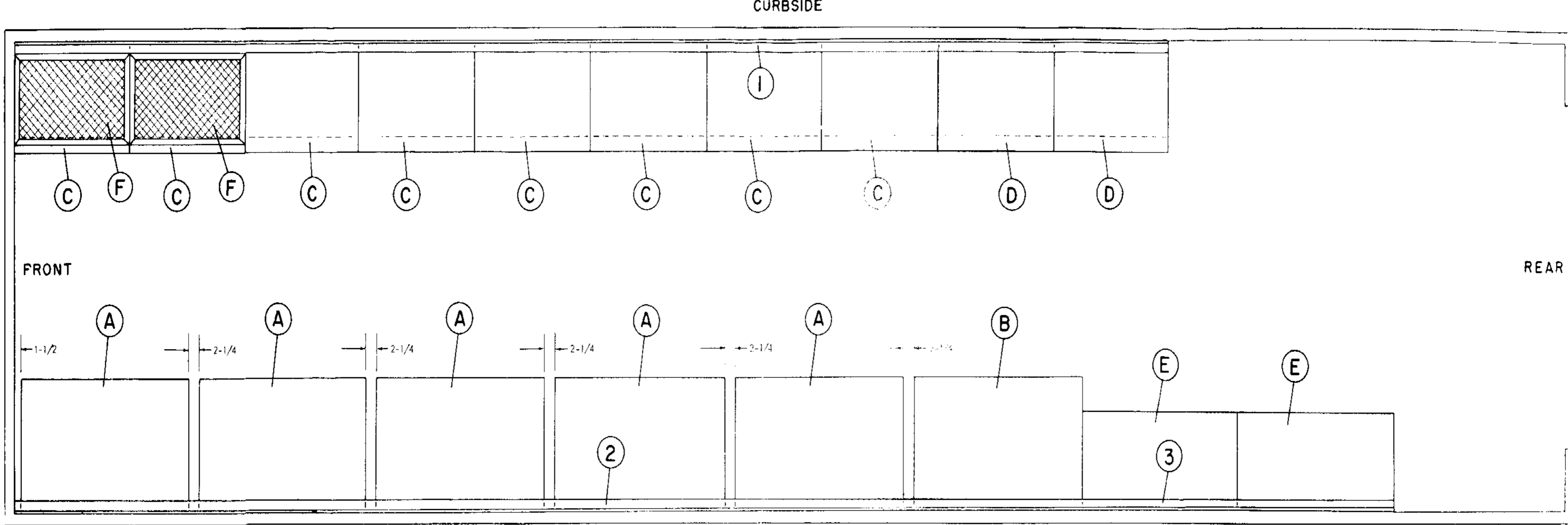


ROADSIDE
FLOOR PLAN

- Ⓐ - CABINET, FSN-7125-378-4261
- Ⓑ - CABINET, FSN-7125-335-0292
- Ⓒ - CABINET, FSN-7125-693-4352
- ① - ANGLE, ALUM.
- ② - ANGLE, ALUM.

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Figure 1. Floor plan of M128A1 van w/2, No. 1 sets.



ROADSIDE
FLOOR PLAN

- Ⓐ - CABINET, FSN-7125-378-4261
- Ⓑ - CABINET, FSN-7125-335-0292
- Ⓒ - CABINET, FSN-4940-693-4352
- Ⓓ - CABINET, FSN-7125-693-4353
- Ⓔ - CABINET, FSN-7125-559-6223
- Ⓕ - CABINET, FSN-7125-449-6862

- ① - ANGLE, ALUM.
- ② - ANGLE, ALUM.
- ③ - ANGLE, ALUM.

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Figure 2. Floor plan of M128A1 van w/1, No. 1 set and 1, No. 2 set.

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
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Chief of Staff.

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The Adjutant General.

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* U.S. GOVERNMENT PRINTING OFFICE : 1988 O - 201-421 (80049)

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TABLE NO.

IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.

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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

| To change | To | Multiply by | To change | To | Multiply by |
|---------------|--------------------|-------------|--------------------|---------------|-------------|
| inches | centimeters | 2.540 | ounce-inches | newton-meters | .007062 |
| feet | meters | .305 | centimeters | inches | .394 |
| yards | meters | .914 | meters | feet | 3.280 |
| miles | kilometers | 1.609 | meters | yards | 1.094 |
| square inches | square centimeters | 6.451 | kilometers | miles | .621 |
| square feet | square meters | .093 | square centimeters | square inches | .155 |
| square yards | square meters | .836 | square meters | square feet | 10.764 |
| square miles | square kilometers | 2.590 | square meters | square yards | 1.196 |
| acres | square hectometers | .405 | square kilometers | square miles | .386 |
| cubic feet | cubic meters | .028 | square hectometers | acres | 2.471 |
| cubic yards | cubic meters | .765 | cubic meters | cubic feet | 35.315 |
| fluid ounces | milliliters | 29.573 | cubic meters | cubic yards | 1.308 |
| pints | liters | .473 | milliliters | fluid ounces | .034 |
| quarts | liters | .946 | liters | pints | 2.113 |
| gallons | liters | 3.785 | liters | quarts | 1.057 |
| ounces | grams | 28.349 | liters | gallons | .264 |
| pounds | kilograms | .454 | grams | ounces | .035 |
| short tons | metric tons | .907 | kilograms | pounds | 2.205 |
| pound-feet | newton-meters | 1.356 | metric tons | short tons | 1.102 |
| pound-inches | newton-meters | .11296 | | | |

Temperature (Exact)

°F Fahrenheit temperature 5/9 (after subtracting 32) Celsius temperature °C

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