## Metric Conversions 1 Perform the Conversions by multiplying by the appropriate conversion factor. Round all answers to the nearest thousandths. a) Convert 100 dm to cm. b) How many Microliters are in 0.078 milliliters. c) How many cc (cm3) are in 13.4 deciliters? d) How many oc(cm3) are in 1 Liter?

e) 760 many gallons are in 30 Liters?
4) How many meters are in 1 mile?
g) How many inches are in 1 meter?
h) How many kg are in 1 Ton?
i) How many in <sup>3</sup> are in 5.0 Liters?

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## Metric Conversions 1 Perform the conversions by multiplying by the appropriate conversion factor. Round all answers to the nearest thousandths. a) Convert 100 dm to cm. (100 dm) (1m) (100cm) = 1,000.000 cm 6) How many microliters are in 0.078 milliliters. (0.078 mt) (1K) (1,000,000 M) = (78,000 ML) c) How many cc (cm3) are in 13.4 deciliters? (13.4 dt) (1/2 ) (1,000 mt) (1/cc) - (1,340.000 cc d) How many cc (cm3) are in 1 Liter? (1/4) (1,000 mL) (1CC) - [1,000,000 CC)

e) How many gallons are in 30 Liters?
(30K) (1.069t) [gal) - [7.950 gal]
f) How many meters are in I mile?
1 mi (5,280ft) /2 in (2.54 cm) /m 1 mi (1-ft) /in (100 cm)
g) How many inches are in I meter?
(1m)(100cm)(1in)=(39.370 in)
h) How many kg are in I Ton?
(17) (2,20) (6) = (969,091 (6))
i) How many in 3 are in 5.0 Liters?
(5.0 L) (1,000 WL) (100 ML) (13 123) = (305.119 in3)