**Conversion Factor/Formula Sheet**

Math 10

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| **Imperial Conversions**1 foot = 12 inches1 yard = 3 feet1 yard = 36 inches1 mile = 1760 yards1 mile = 5280 feet | **Metric System** km hm dam m dm cm mm kL L mL kg g mg * Move to the right, decimal moves to the right
* Move to the left, decimal moves to the left
 |
| **Between SI and Imperial Units** |  |
| ***SI to Imperial***1mm = 0.0394 in1 cm = 0.3937 in1m = 3.281 ft1 m = 1.10936 yd.1 km = 0.6214 mi | ***Imperial to SI*** 1 in = 25.4 mm1 in = 2.54 cm1 ft. = 0.3048 m1 yd. = 0.9144 m1 mi = 1.6093km | ***Mass***1 kg = 2.2 lb454 g = 1 lb2000 lb = 1 ton2200 lb = 1 tonne = 1000 kg (metric tonne)16 oz = 1lb1 oz = 28.4 g |
|  | **1mL = 1cm3** |
| **Converting US Imperial to SI Units** |  |
| ***US Imperial to SI***1 fl oz = 29.5735 mL1 pt = 16 fl oz1 pt = 473.176 mL1 pt = 0.473 L1 qt = 2 pt1 qt = 946.352 mL1 qt = 0.946L1 gal = 4 qt1 gal = 3785.4 mL1 gal = 3.785L | ***Imperial to SI***$\frac{1}{4}$teaspoon(tsp) = 1.25 mL$\frac{1}{2}$tsp = 2.5 mL1 tsp = 5 mL1 tablespoon (tbsp.) = 3 tsp1 tbsp = 15 mL1 cup = 250 mL1 pint (pt) = 568.2614 mL1 quart (qt) = 2 pt.1 quart = 1.1365 L1 gallon = 4 qt.1 gallon = 4.5461 L | ***Temperature*** $F=\frac{9}{5}C+32$$$C= \frac{5}{9}\left(F-32\right)$$ |

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Triangular Prism: