Grade 8 Mathematics Reference Sheet

CONVERSIONS

<table>
<thead>
<tr>
<th>1 inch = 2.54 centimeters</th>
<th>1 kilometer = 0.62 mile</th>
<th>1 cup = 8 fluid ounces</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 meter = 39.37 inches</td>
<td>1 pound = 16 ounces</td>
<td>1 pint = 2 cups</td>
</tr>
<tr>
<td>1 mile = 5,280 feet</td>
<td>1 pound = 0.454 kilogram</td>
<td>1 quart = 2 pints</td>
</tr>
<tr>
<td>1 mile = 1,760 yards</td>
<td>1 kilogram = 2.2 pounds</td>
<td>1 gallon = 4 quarts</td>
</tr>
<tr>
<td>1 mile = 1.609 kilometers</td>
<td>1 ton = 2,000 pounds</td>
<td>1 gallon = 3.785 liters</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 liter = 0.264 gallon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 liter = 1,000 cubic centimeters</td>
</tr>
</tbody>
</table>

FORMULAS

Triangle

\[ A = \frac{1}{2}bh \]

Parallelogram

\[ A = bh \]

Circle

\[ A = \pi r^2 \]

Circle

\[ C = \pi d \text{ or } C = 2\pi r \]

General Prisms

\[ V = Bh \]

Cylinder

\[ V = \pi r^2 h \]

Sphere

\[ V = \frac{4}{3}\pi r^3 \]

Cone

\[ V = \frac{1}{3}\pi r^2 h \]

Pythagorean Theorem

\[ a^2 + b^2 = c^2 \]